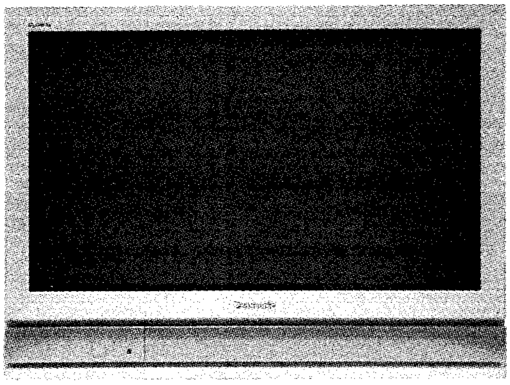
ORDER No. SM-01003

Service Manual



Colour Television
TX-36/32PG50D
TX-36/32PG50F
TX-36/32PG50F/P

EURO-7 Chassis

SPECIFICATIONS

Information in brackets {} refers to TX-32PG50D + F + F/P

Power Source:	220-240V a.c., 50Hz	
Power Consumption:	184W	{149W}
Stand-by Power Consumption:	2,8W	
Aerial Impedance:	75Ω unbalanced, Coaxial Type	
Receiving System:	PAL I, B/G, H, D/K, PAL-525/60 SECAM L/L', B/G, D/K M.NTSC NTSC (AV only)	

Receiving Channels:

VHF E2-E12	VHF H1-H2 (ITALY)
VHF A-H (ITALY)	VHF R1-R2
VHF R3-R5	VHF R6-R12
UHF E21-E69	CATV (S01-S05)
CATV S1-S10 (M1-M10)	CATV S11-S20 (U1-U10)
CATV S21-S41 (HYPERBAND)	

Intermediate Frequency:
Video/Audio

Video	38,9MHz, 34MHz
Audio	32,9MHz, 33,16MHz, 33,4MHz 40,4MHz, 32,4MHz (A2 STEREO) 33,05MHz, 34,05MHz (NICAM) 32,66MHz, 32,4MHz (CZECH STEREO)
Colour	34,47MHz (PAL) 34,5MHz, 34,65MHz (SECAM)

Terminals:

AV1 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	RGB (21 pin)	
AV1 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ
AV2 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	S-Video IN (21-pin)	Y: 1V p-p 75Ω C: 0,3V p-p 75Ω
AV2 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ
	Selectable output (21 pin)	
AV3 IN	S-Video IN (4-pin)	Y: 1V p-p 75Ω C: 0,3V p-p 75Ω
	Audio (RCAx2)	500mV rms 10kΩ
	Video (RCAx1)	1V p-p 75Ω
AV4 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	S-Video IN (21-pin)	Y: 1V p-p 75Ω C: 0,3V p-p 75Ω
	RGB (21 pin)	
AV4 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ

High Voltage:	32kV ± 1kV	
Picture Tube:	W86LPX955X07 {W76EKW10X72	86cm 76cm}
Audio Output: (Music Power)	Front Left/Right	2 x 20W
	Subwoofer	23W
	External Centre	19W
	External Surround	2 x 19W
	8Ω Impedance	
Digital Audio Input	Coaxial / Optical	
Dolby Surround Out (Rear)	6 x Dolby Surround Out RCA	
Headphones:	8Ω Impedance 3,5mm	
Accessories supplied :	Remote Control 2 x R6 (UM3) Batteries	

Dimensions:

Height:	637mm	{576mm}
Width:	874mm	{777mm}
Depth:	585mm	{532mm}
Net weight:	85kg	{58kg}

Specifications are subject to change without notice.
Weights and dimensions shown are approximate.

NOTE: This Service Manual should be used in conjunction with the EURO-7 Technical guide.

Panasonic

CONTENTS

SAFETY PRECAUTIONS 2
SERVICE HINTS 3
SERVICE POSITION 4
ADJUSTMENT PROCEDURE AND FACTORY SETTINGS 5
WAVEFORM PATTERN TABLE 6
ALIGNMENT SETTINGS 7
BLOCK DIAGRAMS 8
PARTS LOCATION 13
REPLACEMENT PARTS LIST 14
SCHEMATIC DIAGRAMS 34
CONDUCTOR VIEWS 44

SAFETY PRECAUTIONS

GENERAL GUIDE LINES

1. It is advisable to insert an isolation transformer in the a.c. supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts that have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the a.c. outlet.
5. Potentials as high as 33kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazard.

LEAKAGE CURRENT COLD CHECK

1. Unplug the a.c. cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered a.c. plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

1. Plug the a.c. cord directly into the a.c. outlet. Do not use an isolation transformer for this check.
2. Connect a 2kΩ 10W resistor in series with an exposed metallic part on the receiver and an earth, such as a water pipe.
3. Use an a.c. voltmeter with high impedance to measure the potential across the resistor.
4. Check each exposed metallic part and check the voltage at each point.
5. Reverse the a.c. plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1,4V rms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

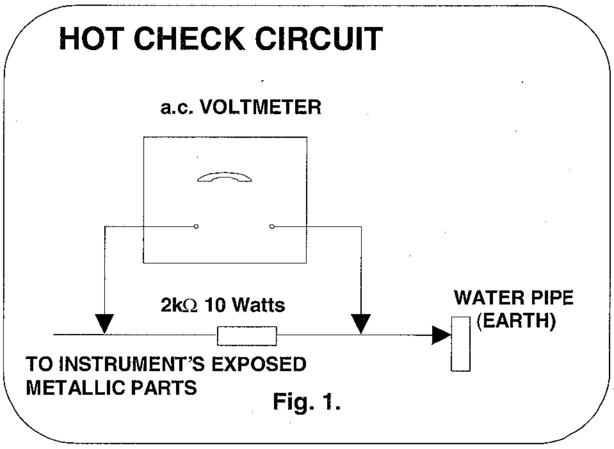


Fig. 1.

X-RADIATION WARNING

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that the jig is capable of handling 33kV without causing X-Radiation.

NOTE: It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate. 32kV ± 1kV.
   If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent any X-Radiation possibility, it is essential to use the specified tube.

SERVICE HINTS

How to remove the rear cover

1. Remove the 10 screws as shown in **Fig.2.**

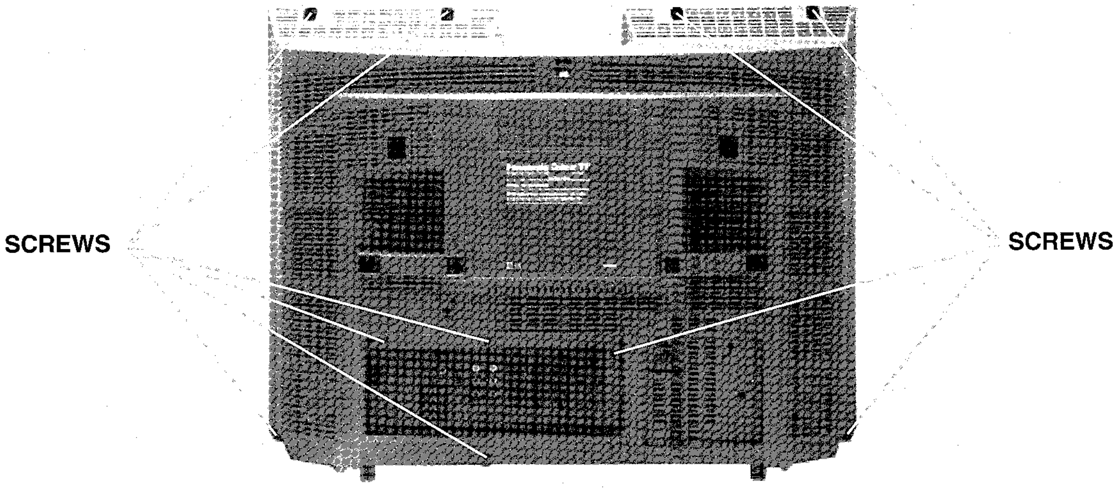

SCREWS
SCREWS

Fig.2.

LOCATION OF CONTROLS

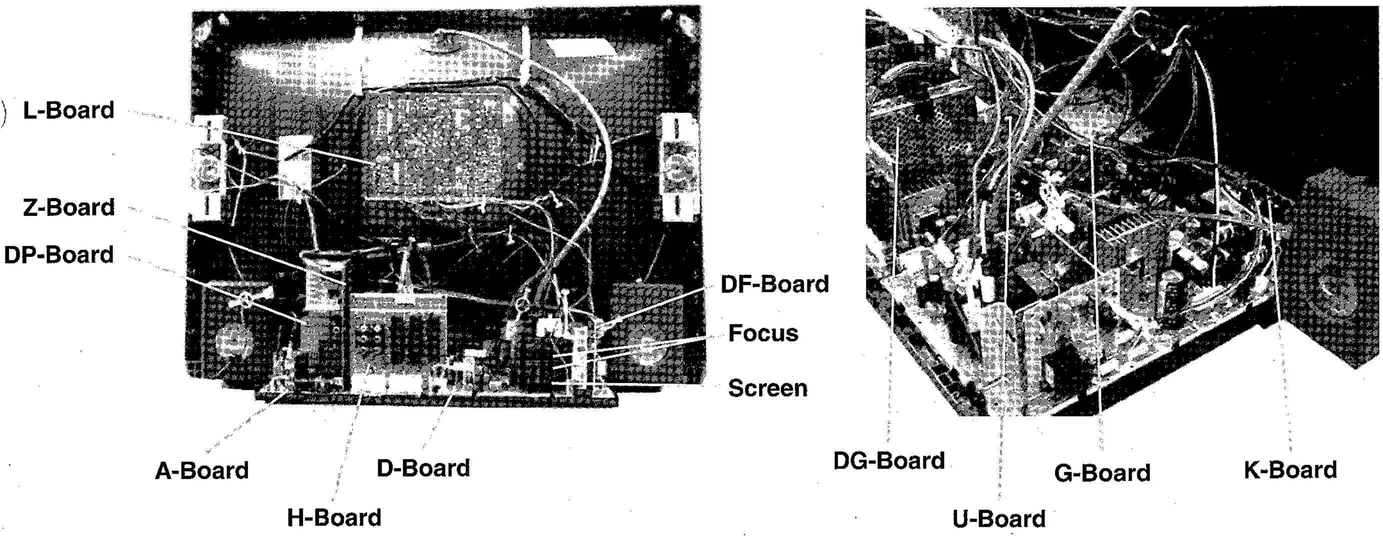

L-Board
Z-Board
DP-Board
DF-Board
Focus
Screen
A-Board
D-Board
H-Board
DG-Board
G-Board
K-Board
U-Board

Fig.3.

HOW TO MOVE THE CHASSIS INTO SERVICE POSITION

1. Remove the 3 screws **(B)** and **(C)** shown in **Fig.5. / Fig.6.**, and remove the 2 speakers from the cabinet.
2. Affix the support strap supplied in the service pack (TZS1EK002) using a back cover screw, into the top right-hand cabinet rib **(A)** shown in **Fig.4.**
3. Hold and lift the rear of the chassis and gently pull toward you, as shown in **Fig.4.**
4. Release the respective wiring clips and rotate the chassis vertically through 90°, anti-clockwise.
5. Locate the base of the chassis frame into location **(D)**, shown in **Fig.7. / Fig.9.**
6. Clip the chassis frame onto the support strap, shown in **Fig.7. / Fig.8.**
7. After servicing replace the speakers, and ensure all wiring is returned to it's original position before returning the receiver to the customer.

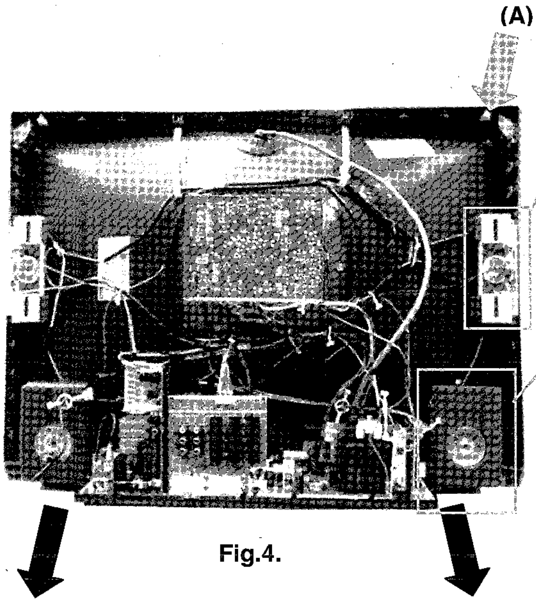


Fig.4.

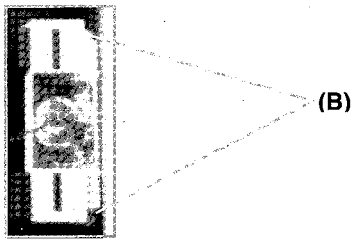


Fig.5.

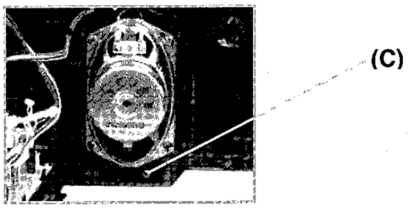


Fig.6.

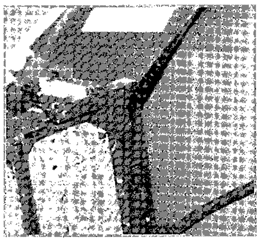


Fig.8.

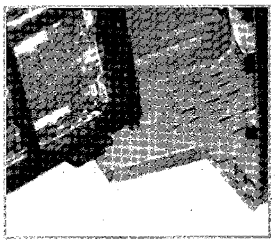


Fig.9.

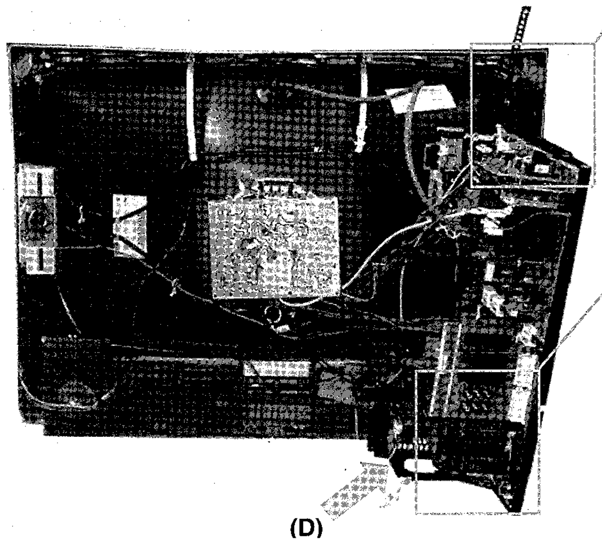


Fig.7.

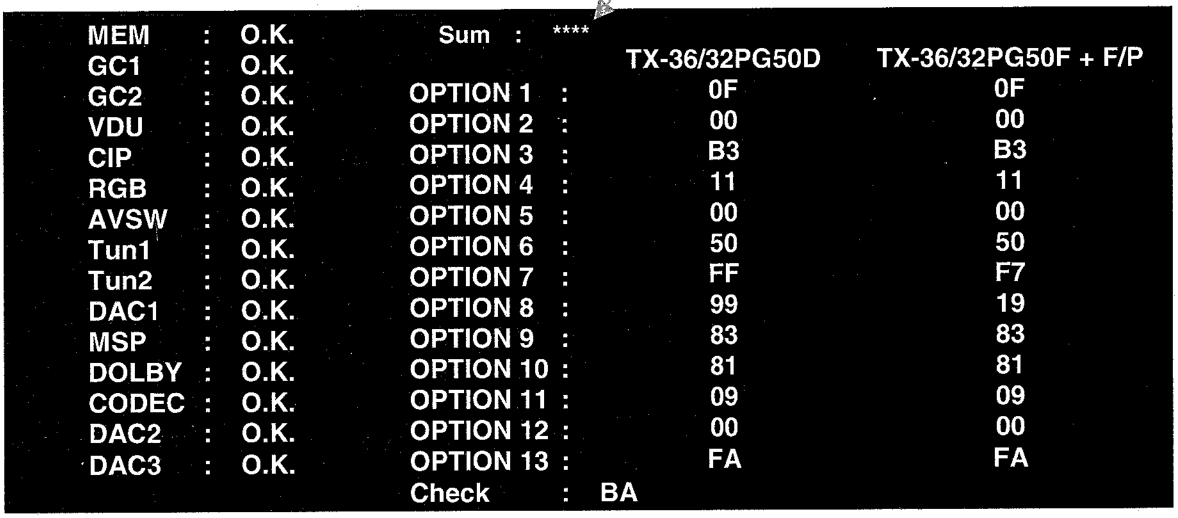
ADJUSTMENT PROCEDURE

Item / Preparation	Adjusment/Confirmation
+B SET-UP 4. Receive a Window pattern. 5. Set the controls :- Brightness Minimum Contrast Minimum Volume Minimum	Confirm the following voltages. **A - Board** A1 Pin2 7,5 ± 0,5V IC1252 Pin2 2,5 ± 0,25V A1 Pin12 -20 ± 0,5V IC1251 Pin3 3,3 +0,3 / -0,2V A1 Pin16 20 ± 0,5V IC3302 Pin3 12 ± 0,6V A2 Pin15 30 ± 0,5V IC2707 Pin3 8 ± 0,4V A2 Pin6 15 ± 0,5V L2707 (IC2708) 9 ± 0,4V A3 Pin4 15 ± 0,5V L2704 (IC2706) 5 ± 0,2V A3 Pin2 -15 ± 0,5V L2716 (IC2705) 3,3 ± 0,2V L2717 (IC2709) 3,3 ± 0,2V **D – Board** TPD8-GND 7,5 ± 0,5V TPD9-TPD11 38,5 ± 2V TPD10-GND 15,5 ± 1V TPD13-GND 14,5 ± 1V TPD15-GND 144,8 ± 1V TPD32-GND 209 ± 10V C864-GND -15,5 ± 1V D2 Pin15-GND 31 ± 1V
CUT OFF 1. Receive a Window pattern. 2. Degauss the tube externally. 3. Set the TV into Service Mode 1. 4. Select Sub brightness mode.	To adjust **Cutoff** connect an oscilloscope to the Blue cathode. Adjust "**Cutoff**" value using the "**Yellow**" and "**Blue**" buttons until the black level is 170V ± 5V, press "**STR**" to store the value. Remove the oscilloscope. Select **Highlight/Lowlight** mode press "**5**" to collapse the screen and adjust the screen "**VR**" until the display is just visible, press "**5**" to return to service mode. Using the "**Yellow**" and "**Blue**" buttons adjust until optimum picture white balance is achieved, press "**STR**" to store the value. Select **Sub Brightness** mode and adjust until optimum picture brightness is achieved.

SELF CHECK

Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.
To get into Self-Check mode press the down **(-/v)** button on the customer controls at the front of the TV set, at the same time pressing the **STATUS** button on the remote control, and the screen will show: -
To exit Self-Check, switch off the TV set at the power button.

Factory use only

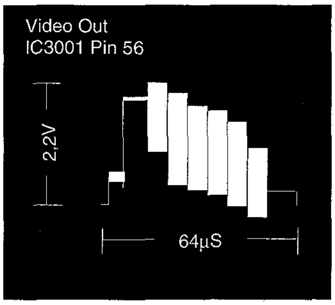


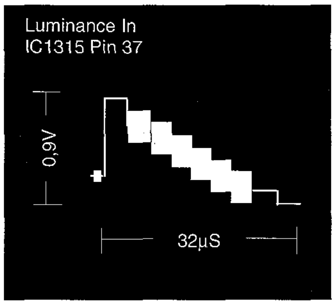
```
MEM    : O.K.      Sum  :  ****
GC1    : O.K.                      TX-36/32PG50D    TX-36/32PG50F + F/P
GC2    : O.K.      OPTION 1  :         0F                 0F
VDU    : O.K.      OPTION 2  :         00                 00
CIP    : O.K.      OPTION 3  :         B3                 B3
RGB    : O.K.      OPTION 4  :         11                 11
AVSW   : O.K.      OPTION 5  :         00                 00
Tun1   : O.K.      OPTION 6  :         50                 50
Tun2   : O.K.      OPTION 7  :         FF                 F7
DAC1   : O.K.      OPTION 8  :         99                 19
MSP    : O.K.      OPTION 9  :         83                 83
DOLBY  : O.K.      OPTION 10 :         81                 81
CODEC  : O.K.      OPTION 11 :         09                 09
DAC2   : O.K.      OPTION 12 :         00                 00
DAC3   : O.K.      OPTION 13 :         FA                 FA
                   Check     :  BA
```

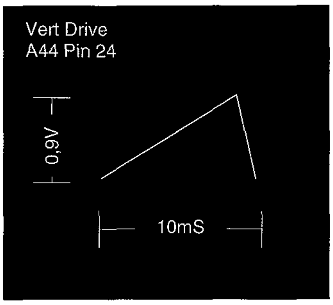
If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.".

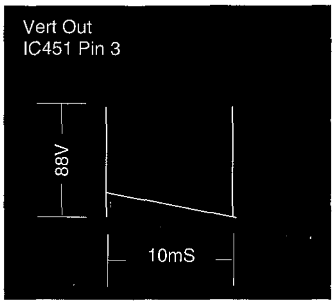
WAVEFORM PATTERN TABLE

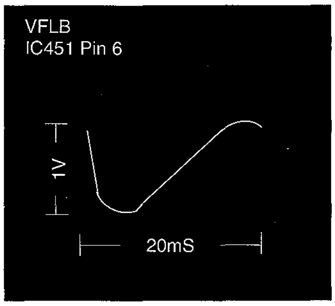
Note: All waveforms have been taken using a standard colour bar pattern.

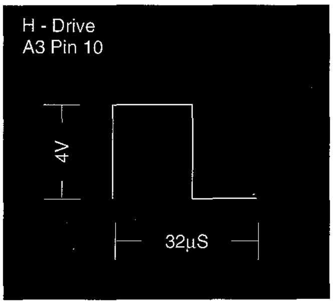


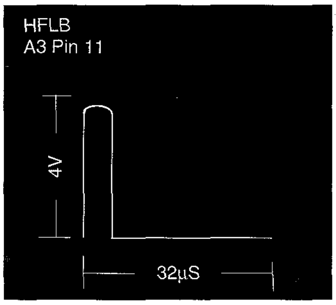


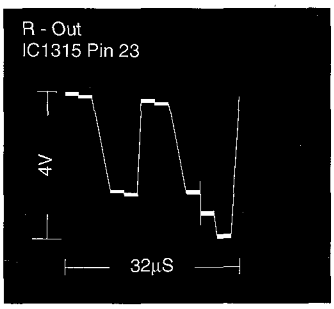


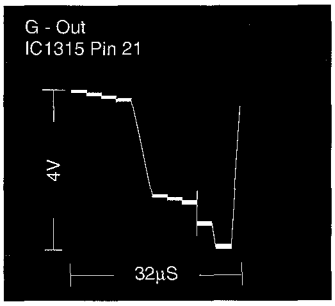


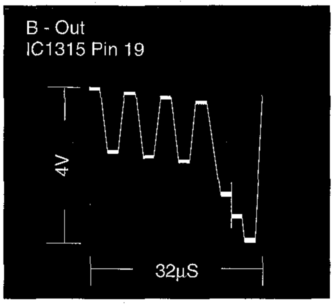


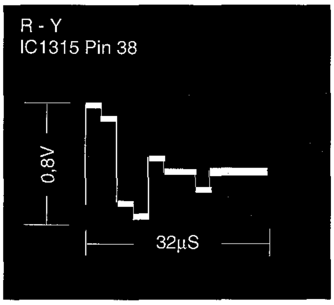


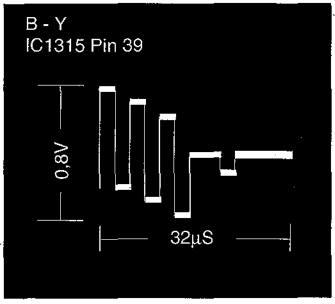


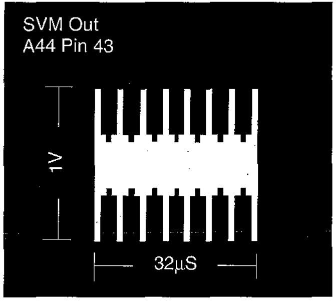


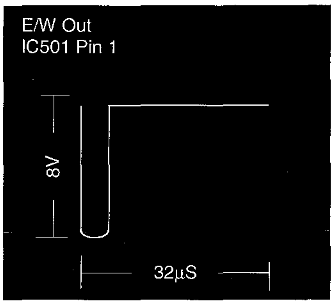












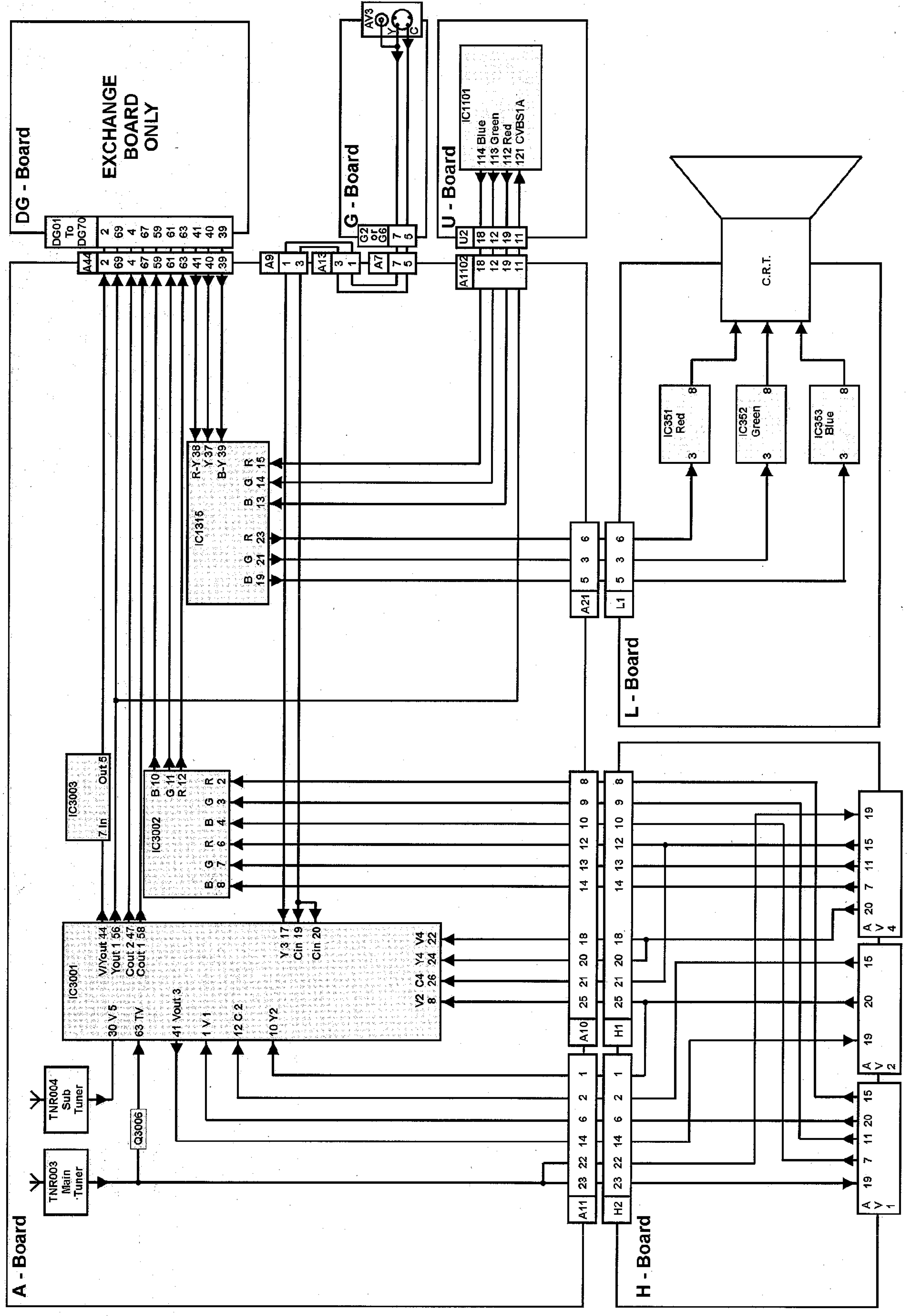
ALIGNMENT SETTINGS

(The figures below are nominal and used for representative purposes only.)

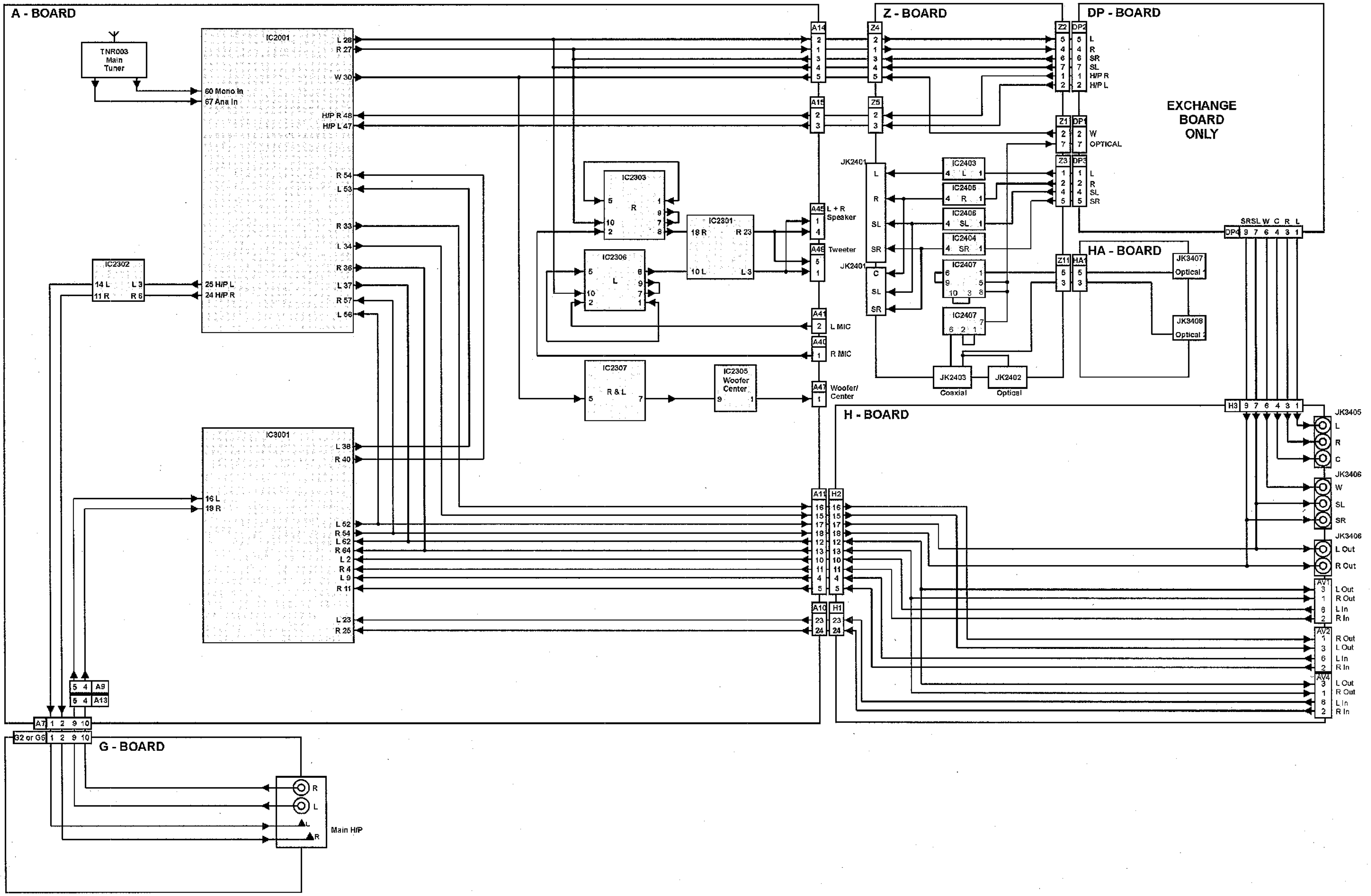
1. Set the Bass to maximum position, set the Treble to minimum position, press the down button **(- / v)** on the customer controls at the front of the TV and at the same time press the **INDEX** button on the remote control, this will place the TV into the Service Mode.
2. Press the **RED / GREEN** buttons to step up / down through the functions.
3. Press the **YELLOW / BLUE** buttons to alter the function values.
4. Press the **STR** button after each adjustment has been made to store the required values.
5. To exit the Service Mode, press the **"N"** button.

Alignment Function		**Settings / Special features**
Horizontal Position	H – Pos 97	Optimum setting.
Vertical Position	V – Pos 111	Optimum setting.
Horizontal Amplitude	H – Amp 86	Optimum setting.
Vertical Amplitude	V – Amp 134	Optimum setting.
Parabola	Parabola 26	Optimum setting.
Trapezoid	Trapezoid 124	Optimum setting.
Horizontal Parallel	H – Parallel 13	Optimum setting.
Vertical Linearity	V – Linear 34	Optimum setting.
Top Corner	Top – Corner 20	Optimum setting.
Bottom Corner	Bottom – Corner 20	Optimum setting.
Vertical Symmetry Correction	V – S – Correct 9	Optimum setting.
Center Correction	C – Correct 10	Optimum setting.
DAF - Phase	DAF – Phase 205	Optimum setting.
Highlight Lowlight	High 0144 0126 0128 Low 0331 0340 0384	Optimum setting.
Sub-Brightness	Sub-Brightness 144	Optimum setting.
Video Gain 2	Video Gain 2 157	Optimum setting.
Splitter Gain (Tuner)	SPL. Gain 0	Optimum setting.

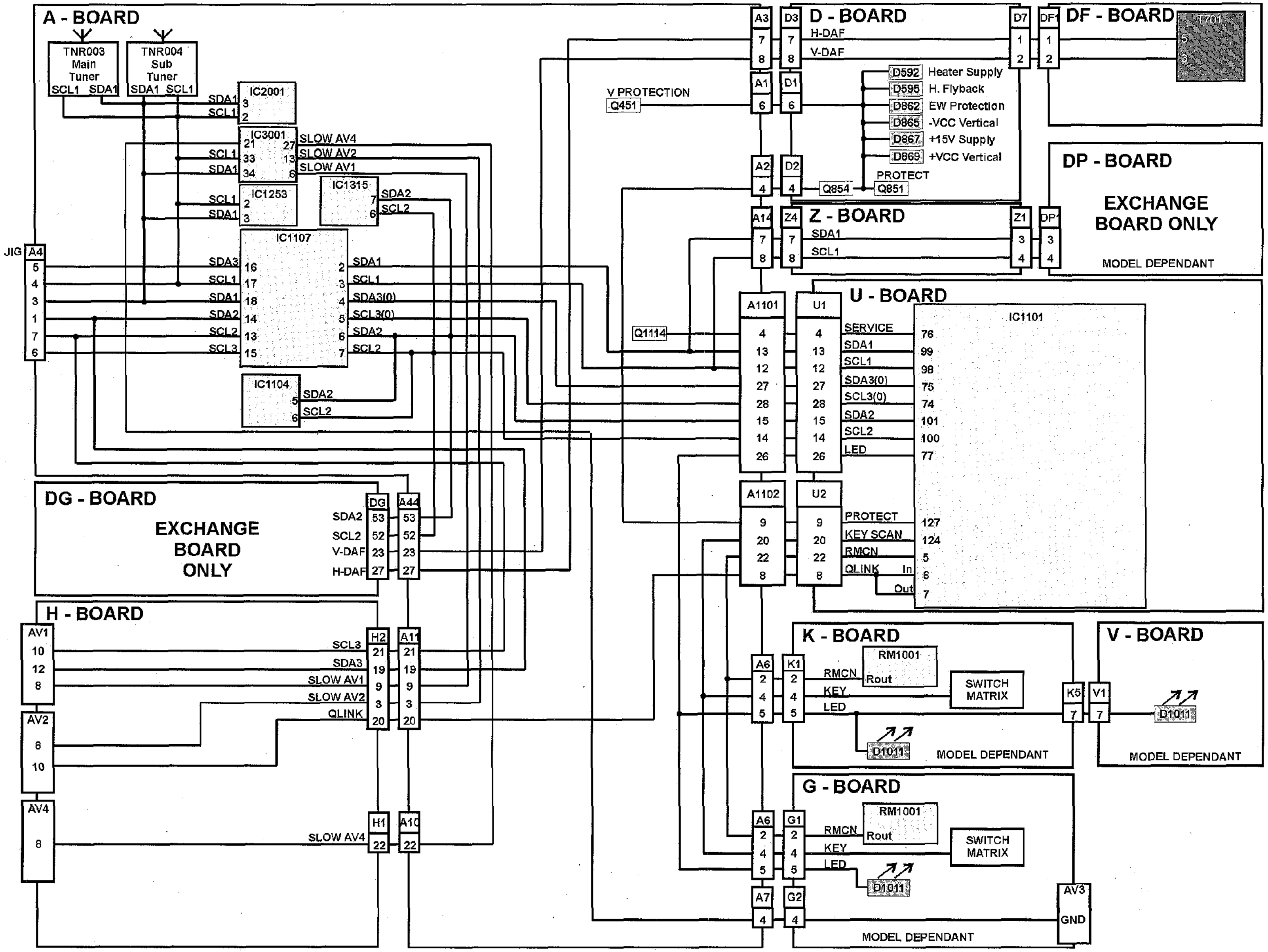
VIDEO BLOCK DIAGRAM


DG - Board
EXCHANGE BOARD ONLY
DG01 To DG70
A44
G - Board
AV3
Y
C
G2 or G6
A9
A13
A7
U - Board
IC1101
114 Blue
113 Green
112 Red
121 CVBS1A
U2
A1102
C.R.T.
IC351 Red
IC352 Green
IC353 Blue
IC1315
R-Y 38
Y 37
B-Y 39
A21
L1
L - Board
IC3003
7 In
Out 5
IC3002
B 10
G 11
R 12
IC3001
V/Yout 44
Yout 1 56
Cout 2 47
Cout 1 58
30 V 5
63 TV
41 Vout 3
1 V 1
12 C 2
10 Y2
Y 3 17
Cin 19
Cin 20
V2 8
C4 26
Y4 24
V4 22
TNR004 Sub Tuner
TNR003 Main Tuner
Q3006
A10
H1
A11
H2
A - Board
H - Board
A V 4
A V 2
A V 1

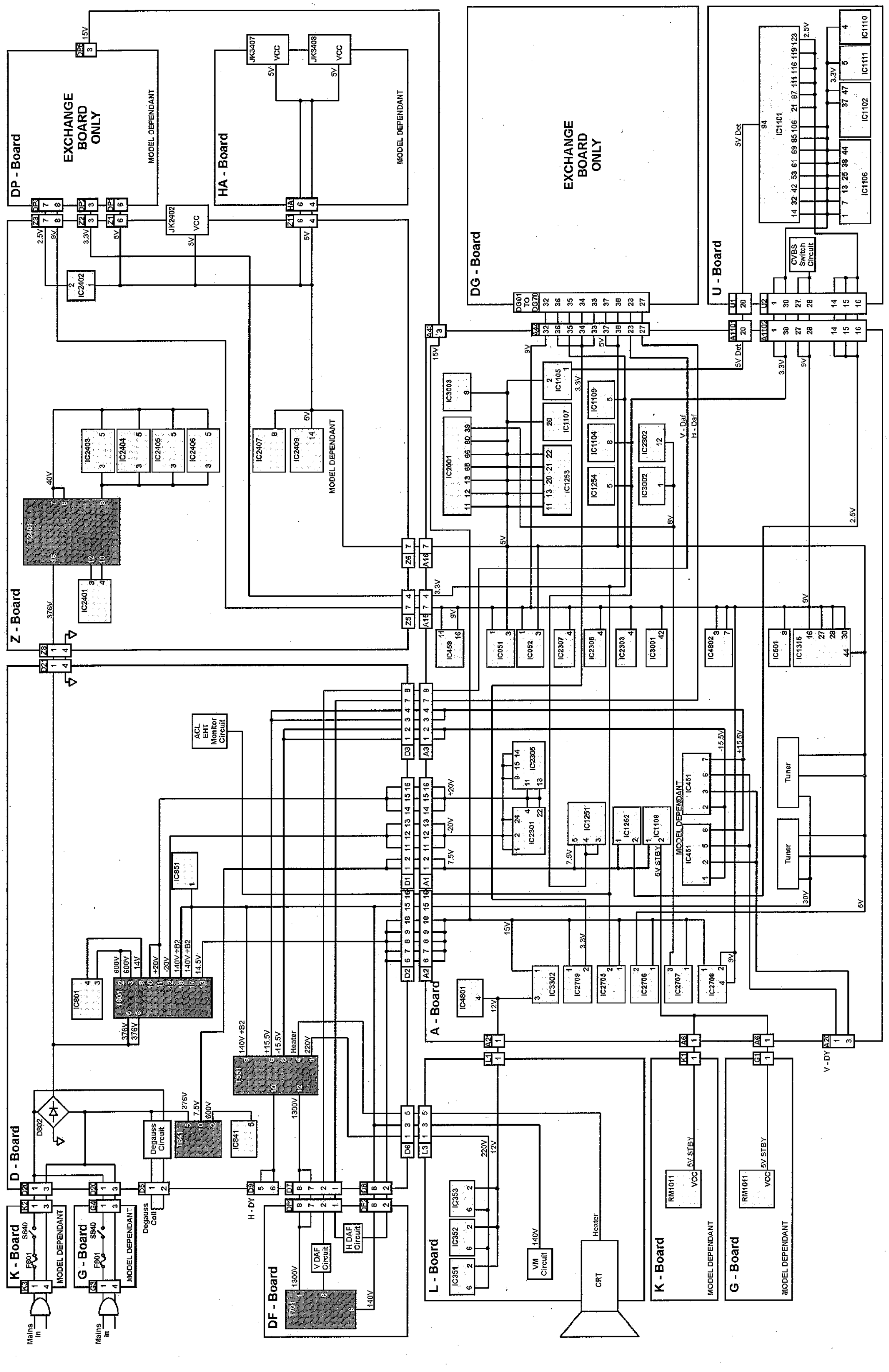
AUDIO BLOCK DIAGRAM


A - BOARD
Z - BOARD
DP - BOARD
EXCHANGE BOARD ONLY
HA - BOARD
H - BOARD
G - BOARD
TNR003 Main Tuner
IC2001
60 Mono In
67 Ana In
L 28
R 27
W 30
H/P R 48
H/P L 47
R 54
L 53
R 33
L 34
R 36
L 37
R 57
L 56
25 H/P L
24 H/P R
IC2302
14 L
11 R
L 3
R 6
IC3001
L 38
R 40
16 L
18 R
L 62
R 54
L 62
R 64
L 2
R 4
L 9
R 11
L 23
R 25
IC2303
R
IC2306
L
IC2301
18 R
R 23
10 L
L 3
IC2307
R & L
IC2305 Woofer Center
A14
A15
A45
L + R Speaker
A46
Tweeter
A41
L MIC
A40
R MIC
A47
Woofer/ Center
A11
A10
A9
A13
A7
Z4
Z5
Z2
Z1
Z3
Z11
DP2
DP1
DP3
DP4
HA1
L
R
SR
SL
H/P R
H/P L
W
OPTICAL
JK2401
C
IC2403
IC2405
IC2406
IC2404
IC2407
JK2403
Coaxial
JK2402
Optical
JK3407
Optical 1
JK3408
Optical 2
SRSL W C R L
H3
H2
H1
JK3405
JK3406
L Out
R Out
AV1
AV2
AV4
L In
R In
G2 or G6
Main H/P

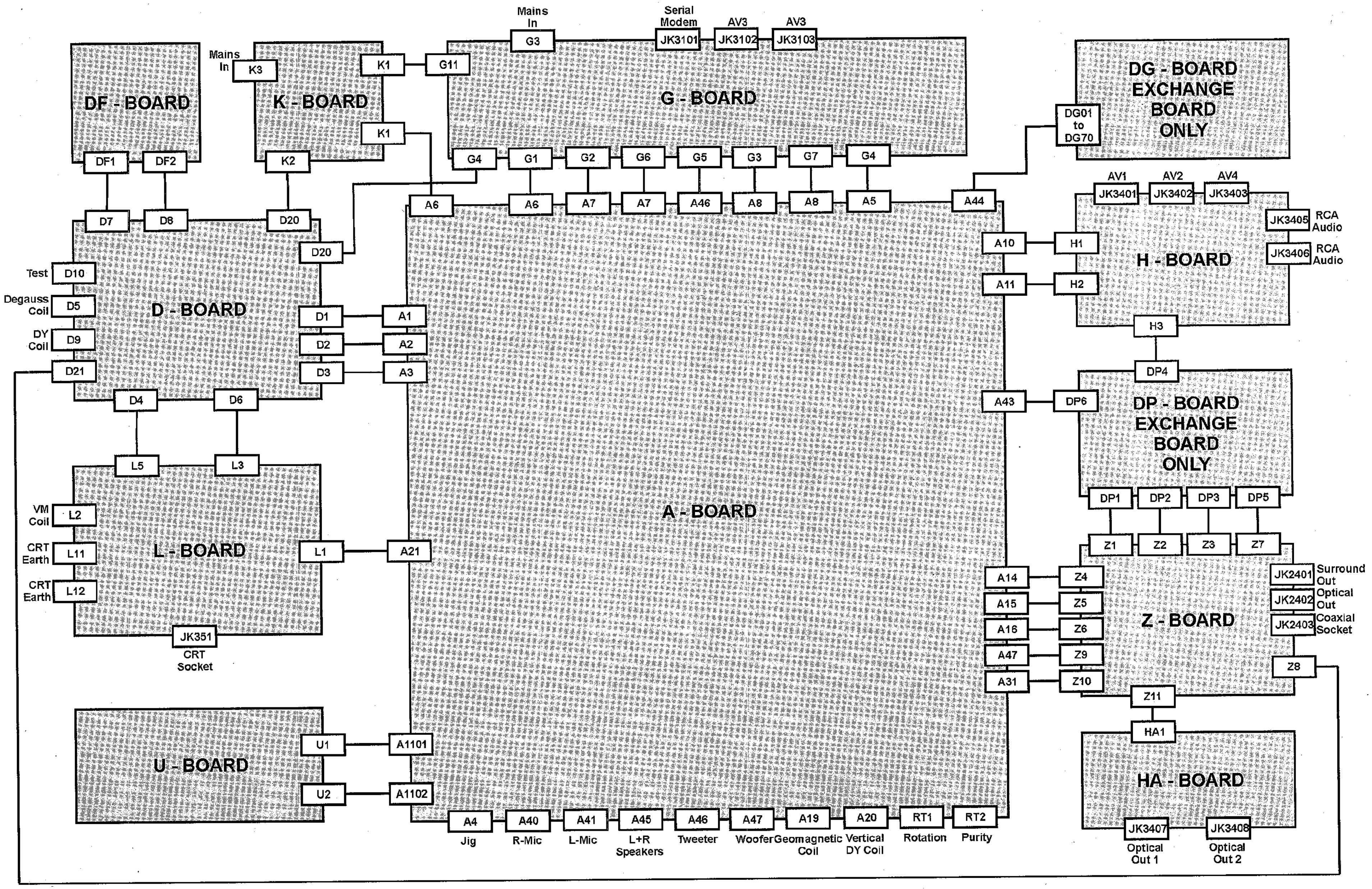
CONTROL BLOCK DIAGRAM


A - BOARD
TNR003 Main Tuner
SCL1 SDA1
TNR004 Sub Tuner
SDA1 SCL1
IC2001
IC3001
SLOW AV4
SLOW AV2
SLOW AV1
IC1253
IC1315
IC1107
IC1104
SDA1
SCL1
SDA2
SCL2
SDA3
SCL3
SDA3(0)
SCL3(0)
JIG
A4
V PROTECTION
Q451
Q1114
D - BOARD
H-DAF
V-DAF
D592 Heater Supply
D595 H. Flyback
D862 EW Protection
D865 -VCC Vertical
D867 +15V Supply
D869 +VCC Vertical
PROTECT
Q854
Q851
DF - BOARD
T701
DP - BOARD
EXCHANGE BOARD ONLY
MODEL DEPENDANT
Z - BOARD
U - BOARD
IC1101
A1101
U1
A1102
U2
SERVICE
LED
PROTECT
KEY SCAN
RMCN
QLINK
In
Out
DG - BOARD
EXCHANGE BOARD ONLY
H - BOARD
AV1
AV2
AV4
SLOW AV4
K - BOARD
RM1001
Rout
RMCN
KEY
LED
SWITCH MATRIX
D1011
MODEL DEPENDANT
V - BOARD
D1011
MODEL DEPENDANT
G - BOARD
RM1001
Rout
SWITCH MATRIX
D1011
AV3
GND
MODEL DEPENDANT

POWER SUPPLY BLOCK DIAGRAM

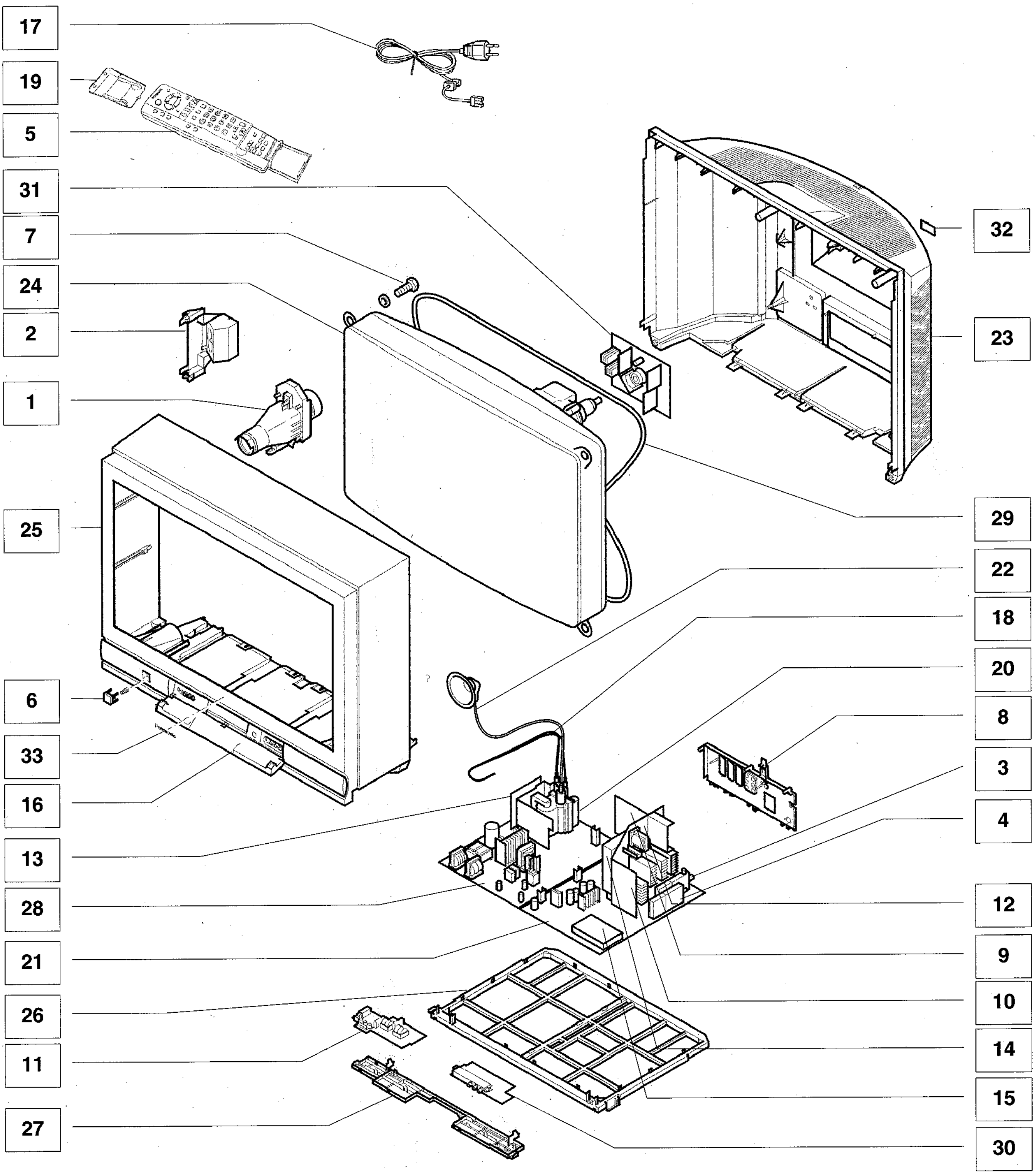

DP - Board
EXCHANGE BOARD ONLY
MODEL DEPENDANT
HA - Board
JK3407
JK3408
VCC
JK2402
IC2402
Z - Board
T2401
IC2401
IC2403
IC2404
IC2405
IC2406
IC2407
IC2409
DG - Board
EXCHANGE BOARD ONLY
DG01 TO DG70
U - Board
IC1101
IC1106
IC1102
IC1111
IC1110
CVBS Switch Circuit
5V Det
IC3003
IC2001
IC1253
IC1107
IC1105
IC1254
IC1104
IC1109
IC3002
IC2302
V - Daf
H - Daf
IC459
IC051
IC052
IC2307
IC2306
IC2303
IC3001
IC4802
IC501
IC1315
ACL EHT Monitor Circuit
IC2305
IC2301
IC1251
IC1252
IC1108
IC451
Tuner
Tuner
5V STBY
D - Board
IC851
IC801
T801
IC4801
IC3302
IC2709
IC2705
IC2706
IC2707
IC2708
A - Board
T551
IC841
T841
Degauss Circuit
Degauss Coil
D602
K - Board
G - Board
F801
S840
Mains In
H - DY
V - DY
DF - Board
T701
V DAF Circuit
H DAF Circuit
L - Board
IC351
IC352
IC353
VM Circuit
CRT
Heater
RM1011
376V
40V
15V
14V
600V
+20V
-20V
140V +B2
14.5V
7.5V
1300V
220V
12V
+15.5V
-15.5V
30V
2.5V
3.3V
5V
9V

WIRING BLOCK DIAGRAM


DF - BOARD
DF1
DF2
Mains In
K3
K - BOARD
K1
K2
K1
Mains In
G3
Serial Modem
JK3101
AV3
JK3102
AV3
JK3103
G11
G - BOARD
G4
G1
G2
G6
G5
G3
G7
G4
A6
A6
A7
A7
A46
A8
A8
A5
A44
DG01 to DG70
DG - BOARD EXCHANGE BOARD ONLY
D7
D8
D20
D20
Test
D10
Degauss Coil
D5
DY Coil
D9
D21
D - BOARD
D1
D2
D3
A1
A2
A3
D4
D6
L5
L3
VM Coil
L2
CRT Earth
L11
CRT Earth
L12
L - BOARD
L1
A21
JK351
CRT Socket
U - BOARD
U1
U2
A1101
A1102
A - BOARD
A4
Jig
A40
R-Mic
A41
L-Mic
A45
L+R Speakers
A46
Tweeter
A47
Woofer
A19
Geomagnetic Coil
A20
Vertical DY Coil
RT1
Rotation
RT2
Purity
AV1
JK3401
AV2
JK3402
AV4
JK3403
JK3405
RCA Audio
JK3406
RCA Audio
A10
H1
A11
H2
H - BOARD
H3
DP4
A43
DP6
DP - BOARD EXCHANGE BOARD ONLY
DP1
DP2
DP3
DP5
Z1
Z2
Z3
Z7
A14
Z4
A15
Z5
A16
Z6
A47
Z9
A31
Z10
Z - BOARD
JK2401
Surround Out
JK2402
Optical Out
JK2403
Coaxial Socket
Z8
Z11
HA1
HA - BOARD
JK3407
Optical Out 1
JK3408
Optical Out 2

PARTS LOCATION

NOTE:
The numbers on the exploded view below refer to the mechanical section of the Replacement Parts List.


17
19
5
31
7
24
2
1
25
6
33
16
13
28
21
26
11
27
32
23
29
22
18
20
8
3
4
12
9
10
14
15
30

REPLACEMENT PARTS LIST

Important Safety Notice

Components Identified by ⚠ mark have special characteristics important for safety.
* When replacing any of these components, use only manufacturers specified parts.
In case of ordering these spare parts, please always add the complete Model-Type number to your order.

COMMON PARTS

EXPLODED VIEW

Cct Ref	Parts Number	Description	
1	EAB12149C2	SPEAKER (WOOFER)	
2	EASG7DH08B2	SPEAKER (TWEETER)	
3	ENG29507G	TUNER	⚠
4	ENG29C01G	TUNER	⚠
5	EUR511224	REMOTE CONTROL	
6	TBXA24302	POWER BUTTON	
7	THT1062	CRT FIXING SCREW	
8	TKP8E1323-1	AV COVER	
9	TNPA1724	H P.C.B.	⚠
10	TNPA1727	DP P.C.B EXCHANGE UNIT	⚠
11	TNPA1729	K P.C.B.	⚠
12	TNPA1739	Z P.C.B.	⚠
13	TNPA1806	DF P.C.B.	⚠
14	TNPA1965AB	DG P.C.B EXCHANGE UNIT	⚠
15	TNPA2042AL	U P.C.B.	⚠
16	TTPA0128	DOOR LID	
17	TXASX01CJJG	POWER CORD	⚠
18	TXJF0C0EFG	FOCUS LEAD ASSEMBLY	⚠
19	UR51EC904A	BATTERY COVER (REMOTE)	
20	ZTFM77009A	F.B.T.	⚠

MISCELLANEOUS COMPONENTS

Cct Ref	Parts Number	Description	
.	TBL63413	RUBBER FOOT	
.	TBM8E2038	AV LABEL	
.	TBMU101	LEFT PRESET LABEL	⚠
.	TBMU102	RIGHT PRESET LABEL	⚠
.	TEKX008	DOOR CATCHER	
.	TES2298	CRT EARTH SPRING	
.	TKRA13110	HANDLE	
.	TMWJ019-1	LED HOLDER	
.	TMX8E051	POWER BUTTON JOINT	
.	TZS1EK002	SERVICE PACK	
.	UM-3DJ-2P	BATTERY PACK	

I.C.s

Cct Ref	Parts Number	Description
D354	TL431CLPM	REGULATOR
IC051	AN7805FLB	5V REGULATOR
IC351	TDA6111Q-N4	RGB OUTPUT
IC352	TDA6111Q-N4	RGB OUTPUT
IC353	TDA6111Q-N4	RGB OUTPUT
IC459	TC74HC221AF	MULTIVIBRATOR
IC501	NJM2903MTE1	AUDIO AMPLIFIER
IC801	STRF6656LF53	POWER SUPPLY
IC841	MIP0254SPSCF	POWER SUPPLY SWITCHING
IC851	SE140N	ERROR AMPLIFIER
IC1101	SDA6000-A23	MICRO PROCESSOR
IC1102	E2F0/010/05	EEPROM *
IC1105	S-80843ALY-Z	5V REGULATOR
IC1106	TVSA0395	SDRAM
IC1107	TC7MBD3245FK	CONVERTER
IC1108	AN78L05TA	5V REGULATOR
IC1109	PST9119NR	SYSTEM RESET
IC1110	PST9128NR	RESET
IC1251	SI-3033C	3.5V REGULATOR
IC1252	PQ30RV21B	2.5V REGULATOR
IC1253	M62392FP70BC	D/A CONVERTER
IC1254	PST9128NR	RESET
IC1315	AN5394FB	R.G.B. PROCESSOR
IC2001	MSP3410DQAC5	M.S.P.
IC2301	TDA7490	AUDIO AMPLIFIER
IC2302	AN7108	H.P. AMPLIFIER
IC2303	NJM2059MTE1	QUAD AMPLIFIER
IC2305	TDA7481	AUDIO AMPLIFIER
IC2306	NJM2059MTE1	QUAD AMPLIFIER
IC2307	NJM2059MTE1	QUAD AMPLIFIER
IC2401	STR10006-N	POWER SUPPLY
IC2402	PQ30RV21B	2.5V REGULATOR
IC2403	TDA2030AV	AUDIO AMPLIFIER
IC2404	TDA2030AV	AUDIO AMPLIFIER
IC2405	TDA2030AV	AUDIO AMPLIFIER
IC2406	TDA2030AV	AUDIO AMPLIFIER
IC2407	TC7WU04FEL	BUFFER
IC2705	PQ1CG21H2RZ	REGULATOR
IC2706	PQ1CG21H2RZ	REGULATOR
IC2707	AN7808LB	8V REGULATOR
IC2708	SI-8090K	POWER SUPPLY
IC2709	PQ1CG21H2RZ	REGULATOR
IC3001	CXA2069Q-TL	SWITCHING
IC3002	TDA8601T/C1	12V REGULATOR
IC3003	CXA1211M-T4	VIDEO AMPLIFIER
IC3302	L78M12MRB	12V REGULATOR
IC4801	AN6564NS-E1	OPERATIONAL AMPLIFIER
IC4802	PUB4301	GEOMAGNETIC CORRECTION
RM1001	RPM6937-S	LED RECEIVER

FUSES

Cct Ref	Parts Number	Description	
F801-2	EYF52BC	FUSE HOLDER	
F801-1	EYF52BC	FUSE HOLDER	
F801	XBA2C50TH15	FUSE	⚠

DIODES

Cct Ref	Parts Number	Description
D001	MA4020	DIODE
D002	MA4020	DIODE
D003	MA3150HTX	DIODE
D004	MA3150HTX	DIODE
D010	MA152KTX	DIODE
D051	MA4020	DIODE
D052	MA4020	DIODE
D053	MA152KTX	DIODE
D351	ERA15-04V3	DIODE

Cct Ref	Parts Number	Description
D352	ERA15-04V3	DIODE
D353	MA3110LTX	DIODE
D355	ERA15-04V3	DIODE
D356	ERA15-04V3	DIODE
D358	MA151ATX	DIODE
D360	ERA15-02V3	DIODE
D361	MA151ATX	DIODE
D362	MA151ATX	DIODE
D363	MA151ATX	DIODE
D364	MA3130MTX	DIODE
D365	MA3130MTX	DIODE
D366	MA3130MTX	DIODE
D367	MA3051HTX	DIODE
D368	MA3051HTX	DIODE
D369	MA3051HTX	DIODE
D383	ERA15-04V3	DIODE
D385	ERA22-04V3	DIODE
D386	ERA15-04V3	DIODE
D389	ERA15-04V3	DIODE
D452	MA152KTX	DIODE
D453	EU02AV1	DIODE
D454	MA152KTX	DIODE
D455	MA152KTX	DIODE
D456	ERA22-02V3	DIODE
D465	MA3039HTX	DIODE
D502	MA4150TA	DIODE
D503	ERA81004V3	DIODE
D504	D1NL40V70	DIODE
D521	AU02AV0	DIODE
D522	AU02AV0	DIODE
D523	MA165TA5	DIODE
D524	MA165TA5	DIODE
D525	RP1HLFA5	DIODE
D526	RP1HLFA5	DIODE
D553	MA167TA5	DIODE
D554	EU02	DIODE
D555	RH3GLF102	DIODE
D557	MA1033MTA	DIODE
D558	AU02V0	DIODE
D559	FMV-3GULF730	DIODE
D560	MA165TA5	DIODE
D562	MA182TA	DIODE
D570	RU3ANV1	DIODE
D580	MA4360	DIODE
D591	MA165TA5	DIODE
D592	MA4104	DIODE
D593	ERA15-02V3	DIODE
D594	MA165TA5	DIODE
D595	MA4360MTA	DIODE
D701	D1NL40V70	DIODE
D802	D6SB80LF-B	DIODE
D805	MA2240-BLFS	DIODE
D809	MA2082-ALFS	DIODE
D811	MA2082-ALFS	DIODE
D819	ERA22-04V3	DIODE
D820	ERA22-04V3	DIODE
D821	ERA22-04V3	DIODE
D823	PC123FY2	DIODE
D825	232266296706	THERMISTOR ⚠
D826	232266296706	THERMISTOR ⚠
D843	ERC0510V1	DIODE
D844	TVSSR2KL	DIODE
D845	RY24V1	DIODE
D847	ERA22-10	DIODE
D848	PC123FY2	DIODE
D851	FMGG26S	DIODE
D852	MA4030LTA	DIODE
D853	RU2AMLFA1	DIODE
D854	RU2AMLFA1	DIODE
D855	FMGG2CS	DIODE
D856	EU02	DIODE
D857	FMGG26S	DIODE
D858	MA165TA5	DIODE
D859	MA165TA5	DIODE
D861	MA165TA5	DIODE
D862	MA4360MTA	DIODE
D865	MA165TA5	DIODE
D867	MA165TA5	DIODE
D869	MA165TA5	DIODE
D881	MA165TA5	DIODE
D885	MA4056HTA	DIODE
D886	MA165TA5	DIODE
D887	MA165TA5	DIODE
D888	EU02	DIODE
D953	R2KNLFA1	DIODE
D961	MA152KTX	DIODE
D1011	LNH201RFCC4	L.E.D.
D1152	MA152KTX	DIODE
D1153	MA152KTX	DIODE
D1302	MA152KTX	DIODE
D1306	MA3062MTX	DIODE
D1307	MA3091MTX	DIODE
D1308	MA152KTX	DIODE
D1309	MA152KTX	DIODE
D1310	MA3062MTX	DIODE
D1311	MA3062MTX	DIODE
D1312	MA3062MTX	DIODE
D1313	MA3043MTX	DIODE
D1315	MA3043MTX	DIODE
D2040	MA152KTX	DIODE
D2041	MA152KTX	DIODE
D2048	MA152KTX	DIODE
D2301	TVSRM26V1	DIODE
D2302	MTZJT-775.6B	DIODE
D2305	MA3047MTX	DIODE
D2306	MA29TA5	DIODE
D2311	MA1180HTA	DIODE
D2312	MA3130MTX	DIODE
D2313	MA152KTX	DIODE
D2314	MA152KTX	DIODE
D2316	MA152KTX	DIODE
D2401	MA4200MTA	DIODE
D2402	D5L60F4015	DIODE
D2403	TVSEH1LF-F7	DIODE
D2404	MTZJT-778.2A	DIODE
D2405	EU02	DIODE
D2406	EU02	DIODE
D2407	EG01CV0	DIODE
D2410	EU02	DIODE
D2411	FMGG26S	DIODE
D2431	MA167TA5	DIODE
D2432	MA167TA5	DIODE
D2433	MA167TA5	DIODE
D2434	MA167TA5	DIODE
D2435	MA167TA5	DIODE
D2436	MA167TA5	DIODE
D2437	MA167TA5	DIODE
D2438	MA167TA5	DIODE
D2711	RK34LFC4	DIODE
D2712	AK04V0	DIODE
D2713	RK34LFC4	DIODE
D2714	RK34LFC4	DIODE

Cct Ref	Parts Number	Description
D2715	MA29TA5	DIODE
D3003	MA3091LTX	DIODE
D3004	MA3091LTX	DIODE
D3103	MA165TA5	DIODE
D3104	MA165TA5	DIODE
D3401	MA165TA5	DIODE
D3402	MA165TA5	DIODE

TRANSISTORS

Cct Ref	Parts Number	Description
Q002	BC857B	TRANSISTOR
Q052	BC857B	TRANSISTOR
Q369	BC857B	TRANSISTOR
Q451	BC847B	TRANSISTOR
Q460	BC847B	TRANSISTOR
Q461	BC847B	TRANSISTOR
Q462	BC847B	TRANSISTOR
Q463	BC847B	TRANSISTOR
Q501	2SK2962TPE6	TRANSISTOR
Q521	2SK1006RF122	TRANSISTOR
Q522	2SC3311ATA	TRANSISTOR
Q523	2SC3311ATA	TRANSISTOR
Q524	2SC5460LB	TRANSISTOR
Q525	2SC3311ATA	TRANSISTOR
Q551	2SC5591000RK	TRANSISTOR
Q552	2SC1473ATA	TRANSISTOR
Q703	2SK2538000LB	TRANSISTOR
Q805	2SK2123000LB	TRANSISTOR
Q851	2SA1018QTA	TRANSISTOR
Q854	2SC3311ATA	TRANSISTOR
Q874	2SA684R	TRANSISTOR
Q875	2SA720-RS	TRANSISTOR
Q881	2SC3311ATA	TRANSISTOR
Q882	2SC3311ATA	TRANSISTOR
Q883	2SC1317-TA	TRANSISTOR
Q902	BC847B	TRANSISTOR
Q903	BC847B	TRANSISTOR
Q908	BC847B	TRANSISTOR
Q951	BC857B	TRANSISTOR
Q952	BC847B	TRANSISTOR
Q953	BC847B	TRANSISTOR
Q954	BC857B	TRANSISTOR
Q955	2SA1535ARLB	TRANSISTOR
Q956	2SC3944ARLB	TRANSISTOR
Q1003	2SC3311ATA	TRANSISTOR
Q1107	BC847B	TRANSISTOR
Q1108	BC847B	TRANSISTOR
Q1109	BC847B	TRANSISTOR
Q1110	BC847B	TRANSISTOR
Q1111	BC847B	TRANSISTOR
Q1112	BC847B	TRANSISTOR
Q1113	BC847B	TRANSISTOR
Q1114	BC847B	TRANSISTOR
Q1115	BC847B	TRANSISTOR
Q1121	BC847B	TRANSISTOR
Q1122	BC847B	TRANSISTOR
Q1123	BC847B	TRANSISTOR
Q1125	BC847B	TRANSISTOR
Q1301	BC847B	TRANSISTOR
Q1302	BC847B	TRANSISTOR
Q1336	BC857B	TRANSISTOR
Q1340	BC847B	TRANSISTOR
Q1342	BC847B	TRANSISTOR
Q2002	BC857B	TRANSISTOR
Q2003	BC857B	TRANSISTOR
Q2004	BC857B	TRANSISTOR
Q2005	BC857B	TRANSISTOR
Q2006	BC847B	TRANSISTOR

Cct Ref	Parts Number	Description
Q2007	BC847B	TRANSISTOR
Q2008	BC847B	TRANSISTOR
Q2040	BC847B	TRANSISTOR
Q2041	BC847B	TRANSISTOR
Q2042	BC847B	TRANSISTOR
Q2043	BC847B	TRANSISTOR
Q2213	BC847B	TRANSISTOR
Q2214	BC847B	TRANSISTOR
Q2215	BC847B	TRANSISTOR
Q2216	BC847B	TRANSISTOR
Q2301	BC847B	TRANSISTOR
Q2302	BC847B	TRANSISTOR
Q2303	BC847B	TRANSISTOR
Q2307	BC847B	TRANSISTOR
Q2308	BC857B	TRANSISTOR
Q2309	BC847B	TRANSISTOR
Q2310	BC847B	TRANSISTOR
Q2311	BC847B	TRANSISTOR
Q2402	2SA684R	TRANSISTOR
Q2403	2SA720-RS	TRANSISTOR
Q2431	BC847B	TRANSISTOR
Q2432	BC847B	TRANSISTOR
Q2433	BC847B	TRANSISTOR
Q2434	BC847B	TRANSISTOR
Q2435	BC847B	TRANSISTOR
Q2437	2SK198RTX	TRANSISTOR
Q2438	2SK198RTX	TRANSISTOR
Q2439	2SK198RTX	TRANSISTOR
Q2440	2SK198RTX	TRANSISTOR
Q2441	BC857B	TRANSISTOR
Q2506	BC847B	TRANSISTOR
Q2507	BC847B	TRANSISTOR
Q2508	BC847B	TRANSISTOR
Q2509	BC847B	TRANSISTOR
Q2512	BC847B	TRANSISTOR
Q2513	BC847B	TRANSISTOR
Q3001	BC847B	TRANSISTOR
Q3002	BC847B	TRANSISTOR
Q3006	BC857B	TRANSISTOR
Q3007	BC847B	TRANSISTOR
Q3011	BC847B	TRANSISTOR
Q3071	BC847B	TRANSISTOR
Q3072	BC847B	TRANSISTOR
Q3130	BC847B	TRANSISTOR
Q3131	BC857B	TRANSISTOR
Q3132	BC847B	TRANSISTOR
Q3401	BC857B	TRANSISTOR
Q3807	BC847B	TRANSISTOR
Q3808	BC847B	TRANSISTOR

TRANSFORMERS

Cct Ref	Parts Number	Description	
L810	ETQR45T001A	TRANSFORMER	⚠
T501	ETH19Y187AY	TRANSFORMER	⚠
T701	ETF18L101A	TRANSFORMER	⚠
T801	ETS39AG296AC	TRANSFORMER	⚠
T841	ETS19AB1G6AG	TRANSFORMER	⚠
T2401	ETS35AA457AD	TRANSFORMER	⚠

COILS

Cct Ref	Parts Number	Description
L002	ELESN2R2KA	COIL
L003	ELESN2R2KA	COIL
L004	EXCELDR35V	COIL
L008	EXCELDR35V	COIL
L009	EXCELDR35V	COIL
L053	EXCELDR35V	COIL
L055	ELESN2R2KA	COIL
L056	ELESN2R2KA	COIL
L351	EXCELSA24T	COIL

Cct Ref	Parts Number	Description	
L381	ELESN6R8JA	COIL	
L382	ELESN4R7KA	COIL	
L383	ELESN4R7KA	COIL	
L387	EXCELDR35V	COIL	
L521	TALL13T182JB	COIL	
L559	EXCELDR35C	COIL	
L560	EXCELDR35V	COIL	
L561	EXCELDR35C	COIL	
L563	EXCELSA39V	COIL	
L568	EXCELDR35C	COIL	
L571	EXCELDR35C	COIL	
L701	TALFP15B152K	COIL	
L703	EXCELSA35T	COIL	
L704	EXCELDR35V	COIL	
L812	EXCELSA39V	COIL	
L815	EXCELSA39V	COIL	
L818	EXCELSA39V	COIL	
L860	TALL08T100KA	COIL	
L862	TALL08T680KA	COIL	
L874	EXCELSA35T	COIL	
L877	EXCELSA35T	COIL	
L883	TALL08T181KA	COIL	
L890	ELF18D486D	COIL	
L891	ELF18D486D	COIL	
L895	EXCELSA35T	COIL	
L904	TLT560K991R	COIL	
L953	EXCELSA35T	COIL	
L954	EXCELSA35T	COIL	
L956	EXCELSA35T	COIL	
L1103	TALC325T4R7M	COIL	
L1104	TALC325T4R7M	COIL	
L1106	ELESN4R7KA	COIL	
L1107	TALC325T4R7M	COIL	
L1108	TALC325T4R7M	COIL	
L1109	TALC325T4R7M	COIL	
L1110	TALC325T4R7M	COIL	
L1111	ELESN4R7KA	COIL	
L1112	EXCELDR35V	COIL	
L1115	TALC325T3R3M	COIL	
L1116	TALC325T4R7M	COIL	
L1312	EXCELDR35V	COIL	
L1322	EXCELDR35V	COIL	
L2001	EXCELDR35V	COIL	
L2002	EXCELDR35V	COIL	
L2004	TLT068K991R	COIL	
L2005	EXCELDR35V	COIL	
L2007	EXCELDR35V	COIL	
L2008	EXCELDR35V	COIL	
L2009	TALC325T4R7M	COIL	
L2010	TALC325T4R7M	COIL	
L2278	EXCELSA35T	COIL	
L2301	TALL08T100KA	COIL	
L2302	TALL08T100KA	COIL	
L2303	TAL10RP390LB	COIL	⚠
L2305	TAL10RP390LB	COIL	⚠
L2308	TALL08T270KA	COIL	
L2309	TAL10RP390LB	COIL	⚠
L2311	ELESN101KA	COIL	
L2312	TALL08T100KA	COIL	
L2313	TALL08T100KA	COIL	
L2314	EXCELDR35V	COIL	
L2316	EXCELDR35V	COIL	
L2319	EXCELDR35V	COIL	
L2320	EXCELDR35V	COIL	
L2321	EXCELDR35V	COIL	
L2322	EXCELDR35V	COIL	

Cct Ref	Parts Number	Description
L2323	EXCELDR35V	COIL
L2324	EXCELDR35V	COIL
L2325	EXCELDR35V	COIL
L2407	EXCELSA35T	COIL
L2409	EXCELSA35T	COIL
L2410	EXCELSA35T	COIL
L2412	EXCELSA35T	COIL
L2414	EXCELDR35C	COIL
L2415	EXCELDR25V	COIL
L2431	TALL08T270KA	COIL
L2432	TALL08T270KA	COIL
L2433	TALL08T270KA	COIL
L2434	TALL08T270KA	COIL
L2435	TALL08T270KA	COIL
L2436	TALL08T270KA	COIL
L2437	TALL08T270KA	COIL
L2438	TALL08T270KA	COIL
L2439	TLTACT100K	COIL
L2440	EXCEMT271BT	COIL
L2523	ELESN6R8KA	COIL
L2524	ELESN6R8KA	COIL
L2527	EXCELSA35T	COIL
L2703	EXCELDR35V	COIL
L2704	TALL08T330KA	COIL
L2705	EXCELDR35V	COIL
L2706	TAL10RP151LB	COIL
L2707	EXCELDR35V	COIL
L2708	EXCELDR35V	COIL
L2709	TLPF095	COIL
L2710	EXCELDR35V	COIL
L2712	TAL10RP151LB	COIL
L2713	EXCELDR35V	COIL
L2714	EXCELDR35V	COIL
L2715	EXCELDR35V	COIL
L2716	TALL08T330KA	COIL
L2717	TALL08T330KA	COIL
L2718	TLPF095	COIL
L2719	TLPF095	COIL
L2722	EXCELDR35V	COIL
L2724	EXCELDR35V	COIL
L2725	EXCELDR35V	COIL
L2727	EXCELDR35V	COIL
L2729	EXCELDR35V	COIL
L2730	EXCELDR35V	COIL
L2732	EXCELDR35V	COIL
L2734	EXCELDR35V	COIL
L2735	EXCELDR35V	COIL
L3004	ELESN4R7KA	COIL
L3050	ELESN221KA	COIL
L3401	EXCELSA35T	COIL
L3402	EXCELSA35T	COIL
L3403	EXCELDR35V	COIL
L3404	EXCELDR35V	COIL
L3405	EXCELDR35V	COIL
L3406	EXCELDR35V	COIL
L3407	EXCELDR35V	COIL
L3408	EXCELDR35V	COIL
L3409	EXCELDR35V	COIL
L3410	EXCELDR35V	COIL
L3411	EXCELDR35V	COIL
L3412	EXCELDR35V	COIL
L3413	EXCELDR35V	COIL
L3414	EXCELDR35V	COIL
L3415	EXCELDR35V	COIL
L3416	EXCELSA35T	COIL
L3417	EXCELSA35T	COIL

Cct Ref	Parts Number	Description
L3418	EXCELSA35T	COIL
L3419	EXCELSA35T	COIL
L3420	ELESN4R7KA	COIL
L3424	EXCELDR25V	COIL
L4801	EXCELDR35V	COIL
L4802	EXCELDR35V	COIL
L4803	EXCELDR35V	COIL
L4804	EXCELDR35V	COIL
LC1101	TLK212T256AL	COIL
LC1102	TLK212T256AL	COIL
LC1104	TLK212T256AL	COIL
LC1105	TLK212T256AL	COIL
LC1106	TLK212T256AL	COIL
LC1110	TLK212T256AL	COIL
LC1111	TLK212T256AL	COIL
LC1112	TLK212T256AL	COIL
LC1113	TLK212T256AL	COIL
LC1114	TLK20LFA224M	COIL
LC1115	TLK20LFA103M	COIL
LC1116	TLK20LFA103M	COIL
LC1117	TLK20LFA103M	COIL
LC1118	TLK20LFA103M	COIL
LC1119	TLK20LFA103M	COIL
LC1120	TLK20LFA103M	COIL
LC1121	TLK20LFA224M	COIL
LC1122	TLK20LFA224M	COIL
LC1123	TLK20LFA224M	COIL
LC1124	TLK20LFA224M	COIL
LC1125	TLK20LFA103M	COIL
LC1126	TLK20LFA103M	COIL
LC1127	TLK20LFA103M	COIL
LC1128	TLK20LFA103M	COIL
LC1130	TLK20LFA103M	COIL
LC1131	TLK20LFA103M	COIL
LC1132	TLK20LFA103M	COIL
LC1133	TLK20LFA103M	COIL
LC1134	TLK20LFA103M	COIL
LC1135	TLK212T256AL	COIL
LC1136	TLK20LFA103M	COIL
LC1137	TLK20LFA103M	COIL
LC1138	TLK20LFA103M	COIL
LC1139	TLK20LFA103M	COIL
LC1140	TLK212T256AL	COIL
LC1141	TLK20LFA103M	COIL
LC1142	TLK20LFA103M	COIL
LC1143	TLK20LFA103M	COIL
LC1144	TLK212T256AL	COIL
LC1145	TLK212T256AL	COIL
LC1146	TLK212T256AL	COIL

FILTERS

L893	ELF24V032B	FILTER
L894	ELF24V034A	FILTER
LC1107	ELKE103FA	FILTER
LC1108	ELKE103FA	FILTER
LC1109	ELKE103FA	FILTER
LC1147	ELKE103FA	FILTER
X101	EFCT6504BF	FILTER
X102	EFCT7004BF	CERAMIC FILTER

CRYSTALS

X2101	TSSA128	CRYSTAL
X2501	TSSA172	CRYSTAL
X3501	H0J600400006	CRYSTAL

RESISTORS

C025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
D842	ERZV10D621CS	VARISTOR	10W	20%	620 Ω

Cct Ref	Parts Number	Description			
JA1	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA2	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA4	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA5	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA6	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA8	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA10	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA11	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA12	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA13	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA14	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA15	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA16	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA17	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA18	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA19	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA20	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA21	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA22	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA23	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA24	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA25	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA26	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA27	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA28	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA29	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA30	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA31	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA32	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA33	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA34	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA35	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA36	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA37	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA38	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA39	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA40	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA41	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA42	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA43	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA18	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA19	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA20	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA21	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA22	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA27	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA28	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA31	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA33	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA34	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA35	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA36	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA42	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA45	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA46	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA47	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA48	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA52	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA53	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA55	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA57	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA59	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω

Cct Ref	Parts Number	Description			
JSA62	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA64	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA65	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA66	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA67	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA69	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA71	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA74	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA75	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA84	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA89	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA90	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSA101	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH1	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH2	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH3	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH8	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSL10	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSL14	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSU1	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSU3	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ2	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ4	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ18	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
L1101	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L1307	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L2307	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L2315	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L2317	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L2318	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L3002	ERD25TC0T	CARBON	0.25W	5%	0 Ω
L3003	ERD25TC0T	CARBON	0.25W	5%	0 Ω
LC1343	QJT1090	JUMPER	0.1W	5%	0 Ω
LC1344	QJT1090	JUMPER	0.1W	5%	0 Ω
R001	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R002	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R003	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R008	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R052	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R053	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R055	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R056	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R057	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R059	ERJ6ENF5600	S.M.CARB	0.1W	1%	560 Ω
R060	ERJ6ENF5600	S.M.CARB	0.1W	1%	560 Ω
R064	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R351	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R352	ERJ6ENF1801	S.M.CARB	0.1W	1%	1.8K Ω
R354	ERG3FJS823	METAL	3W	5%	82K Ω
R355	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R356	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R357	ERC12GK471C	SOLID	0.5W	5%	470 Ω
R360	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R361	ERJ6ENF1801	S.M.CARB	0.1W	1%	1.8K Ω
R362	ERG3FJS823	METAL	3W	5%	82K Ω
R364	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R365	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R366	ERC12GK561	SOLID	0.5W	10%	560 Ω
R370	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R371	ERJ6ENF1801	S.M.CARB	0.1W	1%	1.8K Ω
R373	ERG3FJ823	METAL	3W	5%	82K Ω

Cct Ref	Parts Number	Description				
R374	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R375	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R376	ERC12GK561	SOLID	0.5W	10%	560 Ω	
R382	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R385	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω	
R387	ERDS1TJ471	CARBON	0.5W	5%	470 Ω	
R453	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R454	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R455	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R456	ERG3FJ221	METAL	3W	5%	220 Ω	
R457	ERJ6ENF7151	S.M.CARB	0.1W	1%	7K15 Ω	
R458	ERJ6ENF3481	S.M.CARB	0.1W	1%	3K48 Ω	
R459	ERJ6ENF9531	S.M.CARB	0.1W	1%	9K53 Ω	
R460	ERJ6ENF3011	S.M.CARB	0.1W	1%	300 Ω	
R461	ERDS1FJ1R0	CARBON	0.5W	5%	1 Ω	⚠
R462	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R463	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω	
R464	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R465	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R467	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R468	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω	
R469	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R470	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R471	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R472	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R473	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R474	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R475	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R507	ERDS2TJ104T	CARBON	2W	5%	100K Ω	
R508	ERD25TJ271	CARBON	0.25W	5%	270 Ω	
R509	ERX3FJ1R0	METAL	3W	5%	1 Ω	
R510	ERG1FJS561	METAL	1W	5%	560 Ω	
R511	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R512	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R513	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R514	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R520	ERD25TJ153	CARBON	0.25W	5%	15K Ω	
R521	ERG2FJS123	METAL	2W	5%	12K Ω	
R522	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R523	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R524	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R525	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R526	ERC14GK184	SOLID	0.25W	5%	180K Ω	
R527	ERC14GK224	SOLID	1/4W	5%	220K Ω	⚠
R530	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R531	ERC14GK334	SOLID	0.25W	10%	330K Ω	
R532	ERD25TJ473	CARBON	0.25W	5%	47K Ω	
R533	ERG3FJS821	METAL	3W	5%	820 Ω	
R534	ERDS2TJ333T	CARBON	2W	5%	33K Ω	
R535	ERG1FJS332	METAL	1W	5%	3R3K Ω	
R536	ERG3FJS821	METAL	3W	5%	820 Ω	
R537	ERC12GK104V	SOLID	0.5W	10%	100K Ω	
R538	ERC14GK225	SOLID	1/4W	5%	2.2M Ω	
R540	ERD25TJ560	CARBON	0.25W	5%	56 Ω	
R551	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R552	ERDS2TJ223T	CARBON	2W	5%	22K Ω	
R557	ERO50PKF2802	METAL	0.5W	1%	8K Ω	⚠
R564	ERO25CKF1002	METAL	0.25W	1%	10K Ω	⚠
R566	ERDS2TJ222T	CARBON	0.5W	5%	2K2 Ω	
R569	ERDS2TJ222T	CARBON	0.5W	5%	2K2 Ω	
R570	ERDS2TJ222T	CARBON	0.5W	5%	2K2 Ω	
R577	ERG3FJ331	METAL	3W	5%	330 Ω	⚠
R578	ERG3FJ331	METAL	3W	5%	330 Ω	⚠
R580	ERDS2TJ223T	CARBON	2W	5%	22K Ω	
R584	ERD25TJ272F	CARBON	0.25W	5%	2K7 Ω	
R586	ERQ2CJP2R2	METAL	2W	5%	2R2 Ω	⚠

Cct Ref	Parts Number	Description				
R591	ERO25TKF9311	METAL	0,25W	1%	9K31 Ω	
R592	ERO25TKF1132	METAL	0,25W	1%	1K13 Ω	
R593	ERQ14AJW100	FUSIBLE	0.25W	5%	10 Ω	⚠
R594	ERD25TJ334	CARBON	0.25W	5%	330K Ω	
R647	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω	
R652	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R653	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R654	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R655	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R656	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R657	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R658	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R705	ERF5ZJ471	WOUND	5W	5%	470 Ω	
R714	ERDS1FJ680	CARBON	0.5W	5%	68 Ω	
R719	ERF5AK4R7	WOUND	5W	1%	4R7 Ω	
R779	ERJ6ENF1152	S.M.CARB	0.1W	1%	1K5 Ω	
R780	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R781	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R782	ERDS2TJ391T	CARBON	2W	5%	390 Ω	
R783	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R801	ERF7ZK2R7	WOUND	7W	20%	2R7 Ω	⚠
R803	ERG3FJS183	METAL	3W	5%	18K Ω	
R804	ERG3FJS183	METAL	3W	5%	18K Ω	
R806	ERX12SZJR12	METAL	0.5W	5%	R12 Ω	
R807	ERC14GK824C	SOLID	0.25W	10%	820K Ω	
R810	ERX12SZJR12	METAL	0.5W	5%	R12 Ω	
R815	ERDS1TJ151	CARBON	0.5W	5%	150 Ω	
R819	ERD25TJ681	CARBON	0.25W	5%	680 Ω	
R820	ERDS2TJ562	CARBON	2W	5%	5.6K Ω	
R836	ERDS2TJ152T	CARBON	0.5W	5%	1K5 Ω	
R837	ERDS2TJ152T	CARBON	0.5W	5%	1K5 Ω	
R839	ERD75TAJ825	CARBON	0.75W	5%	8M2 Ω	⚠
R841	ERF2AJ560	WOUND	2W	5%	56 Ω	
R842	ERG1FJS104	METAL	1W	5%	100K Ω	
R843	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R851	ERDS1TJ153	CARBON	0.5W	5%	15K Ω	
R853	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R854	ERDS1TJ333	CARBON	0.5W	5%	33K Ω	
R855	ERDS2TJ821T	CARBON	2W	5%	820 Ω	
R856	ERDS2TJ562	CARBON	2W	5%	5.6K Ω	
R857	ERF7ZK2R2	WOUND	7W	10%	2R2 Ω	
R859	ERDS2TJ333T	CARBON	2W	5%	33K Ω	
R860	ERDS1TJ182	CARBON	0.5W	10%	1K8 Ω	
R861	ERDS1FJ1R0	CARBON	0.5W	5%	1 Ω	⚠
R862	ERDS1FJ1R0	CARBON	0.5W	5%	1 Ω	⚠
R863	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R867	ERG3FJS153	METAL	3W	5%	15K Ω	
R871	ERDS2TJ332T	CARBON	2W	5%	3K2 Ω	
R872	ERDS2TJ154	CARBON	2W	5%	150K Ω	
R875	ERG3FJ220H	METAL	3W	5%	22 Ω	⚠
R876	ERQ2CJP2R7	METAL	2W	2%	2R7 Ω	
R877	ERDS1TJ103	CARBON	0.5W	5%	10K Ω	
R878	ERDS2TJ221T	CARBON	0.5W	5%	220 Ω	
R879	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R880	ERX5FJ1R0	METAL	5W	5%	1 Ω	⚠
R881	ERDS1TJ122	CARBON	0.5W	5%	1K2 Ω	
R883	ERDS2TJ223T	CARBON	2W	5%	22K Ω	
R884	ERDS1TJ102	CARBON	0.5W	5%	1K Ω	
R885	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R888	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R891	ERC12ZGK105D	SOLID	0.5W	10%	1M Ω	
R901	ERDS1FJ102	CARBON	0.5W	5%	1K Ω	
R902	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R903	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R904	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R905	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	

Cct Ref	Parts Number	Description				
R906	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R907	ERJ6GEYJ510	S.M.CARB	0.1W	5%	51 Ω	
R908	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω	
R909	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R950	ERQ1CJP331	FUSIBLE	1W	5%	330 Ω	⚠
R952	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω	
R953	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R954	ERDS1FYJ561P	CARBON	0.5W	5%	560 Ω	
R955	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R956	ERDS1FYJ561P	CARBON	0.5W	5%	560 Ω	
R957	ERDS1TJ330	CARBON	0.5W	5%	33 Ω	
R958	ERDS1TJ330	CARBON	0.5W	5%	33 Ω	
R960	ERQ14AJ100	FUSIBLE	0.25W	5%	10 Ω	⚠
R962	ERQ14AJ120	METAL	0.25W	5%	12 Ω	⚠
R963	ERQ14AJ120	METAL	0.25W	5%	12 Ω	⚠
R964	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R966	ERG3FJS151	METAL	3W	5%	150 Ω	
R968	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R969	ERDS1FJ390	CARBON	0.5W	5%	39 Ω	⚠
R970	ERJ6GEYJ2R7	S.M.CARB	0.1W	5%	2R7 Ω	
R971	ERJ6GEYJ2R7	S.M.CARB	0.1W	5%	2R7 Ω	
R972	ERDS1FJ390	CARBON	0.5W	5%	39 Ω	⚠
R973	ERDS1FJ121	CARBON	0.5W	5%	120 Ω	⚠
R1042	ERD25TC0T	CARBON	0.25W	5%	0 Ω	
R1043	ERD25TJ682	CARBON	0.25W	5%	6K8 Ω	
R1044	ERD25TJ123	CARBON	0.25W	5%	12K Ω	
R1045	ERDS2TJ223T	CARBON	2W	5%	22K Ω	
R1046	ERDS2TJ683T	CARBON	2W	5%	68K Ω	
R1050	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R1051	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1052	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1081	ERDS2TJ332T	CARBON	2W	5%	3K2 Ω	
R1082	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R1083	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R1084	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R1101	ERJ3GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R1102	ERJ3GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R1103	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R1104	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1105	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R1106	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1107	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1108	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1109	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1110	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1111	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1112	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1113	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1114	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1115	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1116	ERJ3GEYJ153V	S.M.CARB	0.1W	5%	15K Ω	
R1117	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1118	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1119	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1120	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1121	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1122	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1123	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1124	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1125	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1126	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1127	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1128	ERJ3GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R1129	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1131	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1132	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	

Cct Ref	Parts Number	Description				
R1134	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R1135	ERJ3GEYJ224V	S.M.CARB	0.1W	5%	220K Ω	
R1136	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R1137	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1138	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1139	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1140	ERJ6GEYJ225	S.M.CARB	0.1W	5%	2M2 Ω	
R1141	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1142	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1144	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1145	ERJ3GEYJ391	S.M.CARB	0.1W	5%	390 Ω	
R1146	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1147	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1148	ERJ3GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R1149	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1150	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1153	ERJ3GEYJ563V	S.M.CARB	0.1W	5%	56K Ω	
R1154	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1155	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1156	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1157	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1158	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1160	ERJ3GEYJ182V	S.M.CARB	0.1W	5%	1K8 Ω	
R1161	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1162	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R1163	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R1164	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R1166	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R1168	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1169	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1170	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1172	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1177	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1178	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1179	ERJ3GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R1180	ERJ3GEYJ392V	S.M.CARB	0.1W	5%	3K9 Ω	
R1181	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1188	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1189	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1190	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1191	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1192	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1193	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1194	ERJ3GEYJ220	S.M.CARB	0.1W	5%	22 Ω	
R1195	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1196	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1202	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1205	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1209	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1214	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1217	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1221	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1225	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1232	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1233	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1236	EXB38V680JV	CHIP	0.063	5%	680 Ω	⚠
R1239	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R1240	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R1241	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R1242	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1243	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R1249	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1250	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1251	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1253	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1255	ERJ3GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	

Cct Ref	Parts Number	Description			
R1256	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R1257	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1258	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1264	ERJ3GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1293	ERJ6ENF3901	S.M.CARB	0.1W	1%	3K9 Ω
R1294	ERJ6ENF3901	S.M.CARB	0.1W	1%	3K9 Ω
R1317	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1340	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1341	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1411	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1413	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1423	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1434	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1435	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1438	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1439	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1446	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1457	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω
R1459	ERJ6ENF4751	S.M.CARB	0.1W	1%	4K75 Ω
R1460	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1461	ERJ6ENF3161	S.M.CARB	0.1W	1%	3K16 Ω
R1473	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1474	ERJ6GEYJ274	S.M.CARB	0.1W	5%	270K Ω
R1482	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1529	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1531	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1543	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R2004	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2006	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2007	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2008	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2009	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R2010	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2011	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R2012	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R2013	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2015	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2016	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R2017	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2018	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2019	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2025	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2026	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2030	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2031	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2033	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2034	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2035	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2036	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2039	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2040	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2041	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2042	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2043	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2044	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2050	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R2051	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R2052	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2251	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2252	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2253	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2254	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2255	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2256	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2257	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2258	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω

Cct Ref	Parts Number	Description				
R2301	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2303	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2304	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2305	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R2306	ERJ6ENF5232	S.M.CARB	0.1W	1%	52K3 Ω	
R2307	ERJ6ENF4701	S.M.CARB	0.1W	1%	4K7 Ω	
R2308	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R2309	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω	
R2310	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2311	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω	
R2312	ERJ6GEYJ134	S.M.CARB	0.1W	5%	130K Ω	
R2315	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2316	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω	
R2317	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2318	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2319	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω	
R2321	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2322	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2323	ERJ6ENF4701	S.M.CARB	0.1W	1%	4K7 Ω	
R2324	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2325	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2326	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2327	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2328	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω	
R2329	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω	
R2330	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R2331	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R2332	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R2334	ERJ6ENF5232	S.M.CARB	0.1W	1%	52K3 Ω	
R2335	ERJ6ENF6802V	S.M.CARB	0.1W	1%	68K Ω	
R2336	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2337	ERJ6ENF1202	S.M.CARB	0.1W	1%	1K2 Ω	
R2338	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R2339	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R2340	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2341	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2342	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2345	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2346	ERJ6GEYJ303	S.M.CARB	0.1W	5%	30K Ω	
R2348	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R2349	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2350	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2351	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R2352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R2354	ERX5FJ1R0	METAL	5W	5%	1 Ω	⚠
R2355	ERX3FJ2R2	METAL	3W	5%	2R2 Ω	
R2356	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R2357	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R2358	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R2364	ERJ6GEYJ274	S.M.CARB	0.1W	5%	270K Ω	
R2365	ERG1SJ102	METAL	1W	5%	1K Ω	
R2366	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R2368	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2369	ERX3FJS4R7	METAL	3W	5%	4R7 Ω	
R2371	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2374	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2375	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R2376	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω	
R2377	ERG3FJ561H	METAL	2W	5%	560 Ω	
R2378	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R2383	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2384	ERG3FJ471	METAL	3W	5%	470 Ω	⚠
R2385	ERJ6GEYJ752	S.M.CARB	0.1W	5%	7K5 Ω	
R2386	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2387	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2388	ERD25TJ101	CARBON	0.25W	5%	100 Ω	

Cct Ref	Parts Number	Description				
R2389	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R2390	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R2391	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R2393	ERJ6GEYJ274	S.M.CARB	0.1W	5%	270K Ω	
R2395	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R2396	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2398	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R2399	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2400	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2401	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2403	ERDS1TJ154	CARBON	0.5W	5%	150 Ω	
R2404	ERDS1TJ184	CARBON	0.5W	5%	180 Ω	
R2406	ERW12PKR33	WOUND	0.5W	10%	R33 Ω	⚠
R2407	ERD2FCVJ4R7P	CARBON	2W	5%	4R7 Ω	⚠
R2408	ERG2FJ101H	METAL	2W	5%	100 Ω	⚠
R2409	ERG2FJ101H	METAL	2W	5%	100 Ω	⚠
R2410	ERG5FJ473	METAL	5W	5%	47K Ω	⚠
R2410	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R2411	ERD2FCVJ4R7P	CARBON	2W	5%	4R7 Ω	⚠
R2411	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2412	ERG5FJ390H	METAL	5W	5%	39 Ω	⚠
R2412	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R2413	ERQ2CJP2R4	METAL	2W	5%	2R4 Ω	⚠
R2414	ERG3FJ471	METAL	3W	5%	470 Ω	⚠
R2415	ERDS1TJ103	CARBON	0.5W	5%	10K Ω	
R2416	ERDS2TJ820T	CARBON	2W	5%	82 Ω	
R2417	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R2418	ERG3FJ471	METAL	3W	5%	470 Ω	⚠
R2421	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R2422	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2423	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R2428	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R2429	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω	
R2430	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R2431	ERJ6ENF3901	S.M.CARB	0.1W	1%	3K9 Ω	
R2432	ERJ6ENF3901	S.M.CARB	0.1W	1%	3K9 Ω	
R2433	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2434	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R2435	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R2436	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R2437	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R2438	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R2439	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2440	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R2441	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2442	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2443	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R2444	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2445	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2446	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
R2447	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2448	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
R2449	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2450	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
R2451	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R2452	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
R2453	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2454	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2455	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2456	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2457	ERX12SJ1R0	METAL	0.5W	5%	1 Ω	⚠
R2458	ERX12SJ1R0	METAL	0.5W	5%	1 Ω	⚠
R2459	ERX12SJ1R0	METAL	0.5W	5%	1 Ω	⚠
R2460	ERX12SJ1R0	METAL	0.5W	5%	1 Ω	⚠
R2461	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R2463	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	

Cct Ref	Parts Number	Description			
R2465	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R2466	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω
R2467	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω
R2468	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R2470	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R2471	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R2472	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2473	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2474	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R2475	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω
R2476	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω
R2477	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R2478	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150K Ω
R2479	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2480	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2481	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R2482	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2487	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2488	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R2489	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R2490	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2491	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω
R2492	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2494	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R2495	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R2496	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R2497	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R2498	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2499	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2502	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R2550	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2551	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2552	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2553	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2554	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2555	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2556	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2557	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2558	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2559	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2560	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R2561	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2568	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2569	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2570	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2571	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2572	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2573	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2620	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω
R2621	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω
R2622	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2623	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω
R2624	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω
R2625	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2626	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω
R2627	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω
R2628	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2629	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω
R2630	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω
R2631	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2632	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2633	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω
R2717	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2718	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2719	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2720	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω

Cct Ref	Parts Number	Description			
R2723	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R2724	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2725	ERJ6ENF1301	S.M.CARB	0.1W	1%	1K3 Ω
R2726	ERJ6ENF4121	S.M.CARB	0.1W	1%	4K12 Ω
R2727	ERJ6ENF2151	S.M.CARB	0.1W	1%	2K15 Ω
R2728	ERJ6ENF1201	S.M.CARB	0.1W	1%	1K2 Ω
R2731	ERJ6ENF2151	S.M.CARB	0.1W	1%	2K15 Ω
R2732	ERJ6ENF1201	S.M.CARB	0.1W	1%	1K2 Ω
R3001	ERJ8GEYJ680	S.M.CARB	.125W	5%	68 Ω
R3002	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3003	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3004	ERJ8GEYJ680	S.M.CARB	.125W	5%	68 Ω
R3005	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3006	ERJ8GEYJ680	S.M.CARB	.125W	5%	68 Ω
R3007	ERJ8GEYJ680	S.M.CARB	.125W	5%	68 Ω
R3008	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3009	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R3010	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3012	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3013	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3014	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3015	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R3017	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3018	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3019	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3020	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3021	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R3022	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3023	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3025	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3026	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3027	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3028	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3029	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3030	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3031	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R3034	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3035	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3036	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3037	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3044	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R3049	ERJ6ENF5600	S.M.CARB	0.1W	1%	560 Ω
R3050	ERJ6ENF5600	S.M.CARB	0.1W	1%	560 Ω
R3051	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R3053	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3054	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R3059	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R3062	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R3064	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3066	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3069	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3071	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R3073	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R3074	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3076	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3077	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3078	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3079	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3084	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3085	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3086	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3087	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3088	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3089	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3090	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R3116	ERD25TJ103	CARBON	0.25W	5%	10K Ω

Cct Ref	Parts Number	Description			
R3122	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R3123	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R3124	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω
R3125	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3126	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R3127	ERJ6GEYJ390	S.M.CARB	0.1W	5%	39 Ω
R3128	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R3129	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R3130	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R3326	ERJ6ENF2202	S.M.CARB	0.1W	1%	22K Ω
R3401	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3402	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R3403	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3404	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R3405	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3406	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3407	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R3408	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R3409	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3410	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3411	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3412	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R3413	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3414	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3415	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3416	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3417	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3418	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3419	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3420	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3421	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R3422	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R3423	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3424	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3425	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3426	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R3427	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3428	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3429	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3430	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3431	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3432	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3433	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R3434	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R3435	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R3436	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3437	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3438	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R3439	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3440	ERJ8ENF75R0	S.M.CARB	0.1W	1%	75 Ω
R3441	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω
R3442	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω
R3443	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω
R3444	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3445	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R3446	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3447	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R3448	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3449	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R3450	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3451	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R3455	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R3456	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R3457	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3458	ERJ8GEYJ331	S.M.CARB	.125W	5%	330 Ω
R3832	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω

Cct Ref	Parts Number	Description			
R3835	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R3836	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3841	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R4801	ERJ6ENF2701	S.M.CARB	0.1W	1%	27 Ω
R4802	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R4803	ERJ6ENF3320	S.M.CARB	0.1W	1%	3K3 Ω
R4804	ERJ6ENF1001	S.M.CARB	0.1W	1%	1K Ω
R4805	ERJ6ENF2213	S.M.CARB	0.1W	1%	221K Ω
R4806	ERJ6ENF6651	S.M.CARB	0.1W	1%	6K65 Ω
R4807	ERJ6ENF9091	S.M.CARB	0.1W	1%	9K09 Ω
R4808	ERJ6ENF3832	S.M.CARB	0.1W	1%	38K3 Ω
R4809	ERJ6ENF5621	S.M.CARB	0.1W	1%	5K62 Ω
R4810	ERJ6ENF4701	S.M.CARB	0.1W	1%	4K7 Ω

CAPACITORS

C001	ECJ2VF1C104Z	CERAMIC	16V	470nF
C002	ECA1CM470GB	ELECT	16V	47μF
C003	ECJ2VF1C104Z	CERAMIC	16V	470nF
C008	ECJ2VB1H103K	CERAMIC	50V	10nF
C012	ECJ2VF1H104Z	CERAMIC	50V	100nF
C013	ECA0JM102GB	ELECT	6.3V	1000μF
C014	ECJ2VF1C104Z	CERAMIC	16V	470nF
C017	ECJ2VF1C104Z	CERAMIC	16V	470nF
C018	ECJ2VF1C104Z	CERAMIC	16V	470nF
C020	ECJ2VF1C104Z	CERAMIC	16V	470nF
C026	ECJ2VF1H103Z	CERAMIC	50V	10nF
C051	ECEA1HN010UB	ELECT	50V	1μF
C052	ECJ2VF1C104Z	CERAMIC	16V	470nF
C057	ECJ2VF1C104Z	CERAMIC	16V	470nF
C062	ECJ2VF1C104Z	CERAMIC	16V	470nF
C063	ECJ2VF1C104Z	CERAMIC	16V	470nF
C064	ECA1HM100GB	ELECT	50V	10μF
C068	ECJ2VF1C104Z	CERAMIC	16V	470nF
C069	ECA1HM101GB	ELECT	50V	100μF
C070	ECJ2VF1H104Z	CERAMIC	50V	100nF
C071	ECJ2VF1C104Z	CERAMIC	16V	470nF
C352	ECJ2VB1H103K	CERAMIC	50V	10nF
C354	ECJ2VB1H223K	CERAMIC	50V	22nF
C355	ECQM2104KZ	FILM	250V	100nF
C356	ECJ2VC1H180J	CERAMIC	50V	18pF
C357	ECKC2H122J	CERAMIC	500V	1.2μF
C359	ECJ2VF1C104Z	CERAMIC	16V	470nF
C360	ECA1CM471GB	ELECT	16V	470μF
C361	ECJ2VB1H103K	CERAMIC	50V	10nF
C363	ECJ2VB1H223K	CERAMIC	50V	22nF
C364	ECJ2VC1H270J	CERAMIC	50V	27pF
C365	ECQM2104KZ	FILM	250V	100nF
C366	ECKC2H122J	CERAMIC	500V	1.2μF
C371	ECJ2VB1H103K	CERAMIC	50V	10nF
C373	ECJ2VB1H103K	CERAMIC	50V	10nF
C374	ECJ2VC1H070D	CERAMIC	50V	7pF
C375	ECQM2104KZ	FILM	250V	100nF
C376	ECKC2H122J	CERAMIC	500V	1.2μF
C377	ECA2EM100B	ELECT	250V	10μF
C380	ECEA1HU101	ELECT	50V	100μF
C382	ECA1CM221GB	ELECT	16V	220μF
C383	ECA1CM222GB	ELECT	16V	2200μF
C388	ECJ2VB1H183K	CERAMIC	50V	18nF
C390	ECA1HM100GB	ELECT	50V	10μF
C391	ECKC3D332J	CERAMIC	2KV	3.3μF
C451	ECA1VM470B	ELECT	35V	47μF
C452	ECEA1HU471	ELECT	50V	470μF
C455	ECEA1CN220	ELECT	16V	22μF
C457	ECA1VHG102B	ELECT	35V	1pF
C459	ECA1HM100GB	ELECT	50V	10μF
C460	ECQB1224KFW	FILM	100V	220nF
C462	ECQV1H104J	FILM	50V	100nF

Cct Ref	Parts Number	Description			
C463	ECJ2VF1H103Z	CERAMIC	50V	10nF	
C473	ECQV1H104J	FILM	50V	100nF	
C474	ECJ2VF1H103Z	CERAMIC	50V	10nF	
C475	ECJ2VC1H220J	CERAMIC	50V	22pF	
C476	ECHS1H102FZ3	FILM	100V	100nF	
C482	ECA1CM102B	ELECT	16V	1000µF	
C490	ECJ2VF1H103Z	CERAMIC	50V	10nF	
C504	ECA1VM101GB	ELECT	35V	100µF	
C505	ECQV1H104J	FILM	50V	100nF	
C508	ECA1EM102GB	ELECT	25V	100µF	
C510	ECJ2VF1C104Z	CERAMIC	16V	470nF	
C521	ECKC3A152J	CERAMIC	1KV	1500pF	⚠
C522	ECKC3A272J	CERAMIC	1KV	2.7µF	
C523	ECKC3A151J	CERAMIC	1KV	150pF	⚠
C524	ECQM6223JZW	FILM	600V	22nF	
C525	ECQM4223JZW	FILM	400V	22nF	
C526	ECKC3D101J	CERAMIC	2KV	100pF	⚠
C527	ECA1HM010GB	ELECT	50V	1µF	
C528	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C529	ECA1HM100GB	ELECT	50V	10µF	
C530	ECKC3A681J	CERAMIC	1KV	680pF	⚠
C531	ECKC3D102J	CERAMIC	2KV	1nF	⚠
C555	ECQP1223JZW	FILM	100V	22nF	
C556	ECWH20102JVY	FILM	200V	1µF	
C560	ECEA2CNR47SB	ELECT	160V	0.47µF	
C565	ECQE2155JFB	FILM	250V	1.5µF	
C569	ECA2EM330B	ELECT	250V	33µF	
C571	ECKC1H472J	CERAMIC	50V	4.7nF	
C576	ECKC3A182J	CERAMIC	1KV	1800pF	⚠
C583	ECQB1H223K	FILM	50V	22nF	
C584	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C585	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C591	ECA1HM100GB	ELECT	50V	10µF	
C705	ECQM2562JZB	FILM	200V	5.6µF	
C708	ECQE2334KF3	FILM	200V	330nF	
C709	ECQE1335KFB	FILM	100V	3.3µF	
C710	ECQE1335KFB	FILM	100V	3.3µF	
C711	ECQE1335KFB	FILM	100V	3.3µF	
C715	ECKC3D271J	CERAMIC	2KV	270pF	
C801	ECKRAE472ZE	CERAMIC	10V	4.7µF	
C802	ECKRAE472ZE	CERAMIC	10V	4.7µF	
C803	ECKRAE472ZE	CERAMIC	10V	4.7µF	
C804	ECKRAE472ZE	CERAMIC	10V	4.7µF	
C808	ECA1VHG221B	ELECT	35V	220µF	
C817	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C819	ECKC2H471J	CERAMIC	500V	470pF	⚠
C820	ECOS2GP471DB	ELECT	200V	470µF	
C823	ECQF4123JZH	FILM	400V	12nF	⚠
C824	ECQE6823KFB	FILM	600V	82nF	
C828	ECKC3D152J	CERAMIC	2KV	1.5nF	⚠
C829	ECQB1H681JF3	FILM	50V	680pF	
C831	ECKCNA471MBB	CERAMIC	10V	4R7µF	⚠
C841	ECKRAE472ZE	CERAMIC	10V	4.7µF	
C843	ECQV1H104J	FILM	50V	100nF	
C844	ECKC3D392J	CERAMIC	2KV	3900pF	⚠
C845	ECKC1H101J	CERAMIC	50V	100pF	
C847	ECA2WM100E	ELECT	450V	10µF	
C851	ECQB1104JF3	FILM	100V	100nF	
C852	ECQB1104JF3	FILM	100V	100nF	
C853	ECEA1HU102	ELECT	50V	1000µF	
C854	ECKC2H561J	CERAMIC	500V	560pF	⚠
C855	ECQB1H103J	FILM	50V	10nF	
C858	ECKC3D182JB	CERAMIC	2KV	1.8nF	⚠
C861	ECA1EHG331B	ELECT	50V	330pF	
C862	ECA1EHG222B	ELECT	50V	2.2pF	
C864	ECA1EM222GB	ELECT	25V	2200µF	

Cct Ref	Parts Number	Description		
C865	ECA1EM222GB	ELECT	25V	2200µF
C866	ECOS2CA561BB	ELECT	160V	560µF
C868	ECA160V33UB	ELECT	160V	33µF
C869	ECA1EM472E	ELECT	50V	4.7pF
C871	ECA1HHG100B	ELECT	50V	10µF
C883	ECA1HM100GB	ELECT	50V	10µF
C885	ECA1VM470B	ELECT	35V	47µF
C888	ECA1CM471GB	ELECT	16V	470µF
C889	ECA1CM222GB	ELECT	16V	2200µF
C892	ECQU2A224MN	FILM	250V	220nF
C893	ECQU2A224MN	FILM	250V	220nF
C894	ECQU2A683MNB	FILM	100V	68nF
C895	ECKCNA152ME7	CERAMIC	10V	1.5µF
C897	ECKCNA152ME7	CERAMIC	10V	1.5µF
C898	ECQU2A224MN	FILM	250V	220nF
C899	ECQU2A224MN	FILM	250V	220nF
C901	EEANA1E100B	CERAMIC	25V	10µF
C902	ECA1HM101GB	ELECT	50V	100µF
C905	ECA1VM101GB	ELECT	35V	100µF
C907	ECJ2VC1H151J	CERAMIC	50V	150pF
C955	ECQB1103J	FILM	100V	10nF
C958	ECA2CM100B	ELECT	160V	10µF
C959	ECQB1103J	FILM	100V	10nF
C960	ECJ2VC1H221J	CERAMIC	50V	220pF
C961	ECA2CM100B	ELECT	160V	10µF
C962	ECQM4472RJZ	FILM	400V	4.7µF
C963	ECJ2VC1H221J	CERAMIC	50V	220pF
C964	ECA1CHG101	ELECT	16V	100µF
C966	ECA1HM101GB	ELECT	50V	100µF
C967	ECA1CHG471B	ELECT	16V	470µF
C974	ECA1VM101GB	ELECT	35V	100µF
C1040	ECQB1H223K	FILM	50V	22nF
C1041	ECA1HM470GB	ELECT	50V	47µF
C1043	ECKC1H101J	CERAMIC	50V	100pF
C1101	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1102	EEVHB0J101P	CERAMIC	10V	100pF
C1103	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1104	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1105	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1106	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1107	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1108	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1109	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1112	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1115	ECJ2VB1C104K	CERAMIC	16V	100nF
C1116	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1117	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1118	ECJ2VB1H472K	CERAMIC	50V	4.7nF
C1119	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1120	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1121	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1122	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1123	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1124	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1125	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1126	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1127	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1128	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1129	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1130	EEVHB0G221P	CERAMIC	16V	220pF
C1131	ECJ2VC1H220J	CERAMIC	50V	22pF
C1132	ECJ2VC1H220J	CERAMIC	50V	22pF
C1133	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1134	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1135	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1136	ECJ2VF1C104Z	CERAMIC	16V	470nF

Cct Ref	Parts Number	Description		
C1137	EEVHB0G221P	CERAMIC	16V	220pF
C1138	ECJ2VC1H221J	CERAMIC	50V	220pF
C1139	ECJ2VC1H221J	CERAMIC	50V	220pF
C1140	ECJ2VB1E104K	CERAMIC	25V	100nF
C1142	ECJ2VC1H151J	CERAMIC	50V	150pF
C1144	ECJ2VC1H101J	CERAMIC	50V	100pF
C1146	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1147	ECA1CM471GB	ELECT	16V	470µF
C1148	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1150	ECJ2VB1C104K	CERAMIC	16V	100nF
C1151	ECJ2VB1C104K	CERAMIC	16V	100nF
C1152	ECJ2VB1H103K	CERAMIC	50V	10nF
C1153	ECJ2VB1H103K	CERAMIC	50V	10nF
C1154	ECJ2VF1C105Z	CERAMIC	16V	1µF
C1156	ECA1HM100GB	ELECT	50V	10µF
C1157	TACCM0J335KT	CERAMIC	6.3V	3.3µF
C1158	TACCM0J335KT	CERAMIC	6.3V	3.3µF
C1159	EEVHB1C100R	CERAMIC	16V	10pF
C1160	EEVHB1C100R	CERAMIC	16V	10pF
C1161	EEVHB0G221P	CERAMIC	16V	220pF
C1162	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1163	EEVHB0J101P	CERAMIC	10V	100pF
C1164	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1165	ECJ2VF1C105Z	CERAMIC	16V	1µF
C1166	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1167	EEVHB1C101P	CERAMIC	16V	100pF
C1168	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1170	ECEA1EKN100B	ELECT	50V	10µF
C1251	ECA1HM101GB	ELECT	50V	100µF
C1252	ECA1HM100GB	ELECT	50V	10µF
C1253	ECJ2VB1C104K	CERAMIC	16V	100nF
C1254	ECJ2VB1C104K	CERAMIC	16V	100nF
C1255	ECA1HM100GB	ELECT	50V	10µF
C1290	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1292	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1293	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1294	ECA1HM101GB	ELECT	50V	100µF
C1295	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1296	ECA0JM471GB	ELECT	6.3V	470µF
C1405	ECJ2VF1C104Z	CERAMIC	16V	470nF
C1455	ECJ2VB1C104K	CERAMIC	16V	100nF
C1456	ECJ2VB1C104K	CERAMIC	16V	100nF
C1457	ECJ2VB1C104K	CERAMIC	16V	100nF
C1459	ECJ3VB1C474K	CERAMIC	16V	470nF
C1474	ECJ2VB1C104K	CERAMIC	16V	100nF
C1475	ECJ2VB1C104K	CERAMIC	16V	100nF
C1477	ECJ2VB1C104K	CERAMIC	16V	100nF
C1509	ECA1HM100GB	ELECT	50V	10µF
C1510	ECJ2VB1C104K	CERAMIC	16V	100nF
C1511	ECJ2VB1C104K	CERAMIC	16V	100nF
C1513	ECJ2VB1C104K	CERAMIC	16V	100nF
C1514	ECJ2VB1C104K	CERAMIC	16V	100nF
C1515	ECJ2VB1C104K	CERAMIC	16V	100nF
C1516	ECJ2VB1C104K	CERAMIC	16V	100nF
C1544	ECA1HM101GB	ELECT	50V	100µF
C1550	ECA1HM101GB	ELECT	50V	100µF
C1551	ECA1HM101GB	ELECT	50V	100µF
C1563	ECA1CM470GB	ELECT	16V	47µF
C1564	ECA1HM4R7GB	ELECT	50V	4.7µF
C1565	ECA1HM4R7GB	ELECT	50V	4.7µF
C1566	ECA1HM220GB	ELECT	50V	22µF
C2004	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2005	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2006	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2007	ECJ2VC1H560J	CERAMIC	50V	56pF
C2008	ECJ2VC1H470J	CERAMIC	50V	47pF

Cct Ref	Parts Number	Description		
C2009	ECJ2VC1H470J	CERAMIC	50V	47pF
C2010	ECJ2VC1H560J	CERAMIC	50V	56pF
C2011	ECJ2VC1H070D	CERAMIC	50V	7pF
C2014	ECJ2VC1H010C	CERAMIC	50V	1pF
C2015	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2016	ECA1HM101GB	ELECT	50V	100µF
C2017	ECJ2VC1H010C	CERAMIC	50V	1pF
C2022	TACCN0J105KT	CERAMIC	6.3V	1µF
C2023	TACCN0J105KT	CERAMIC	6.3V	1µF
C2024	ECJ3VB1C474K	CERAMIC	16V	470nF
C2025	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2027	ECA1HM100GB	ELECT	50V	10µF
C2028	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2030	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2031	ECA1HM101GB	ELECT	50V	100µF
C2032	TACCN0J105KT	CERAMIC	6.3V	1µF
C2033	ECA1HM100GB	ELECT	50V	10µF
C2034	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2035	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2036	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2037	TACCN0J105KT	CERAMIC	6.3V	1µF
C2038	ECA1HM100GB	ELECT	50V	10µF
C2039	ECA1HM101GB	ELECT	50V	100µF
C2040	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2041	ECA1HM3R3GB	ELECT	50V	3.3µF
C2042	ECJ2VB1H102K	CERAMIC	50V	1nF
C2043	ECJ2VB1H102K	CERAMIC	50V	1nF
C2044	ECJ2VB1H102K	CERAMIC	50V	1nF
C2045	ECJ2VB1H102K	CERAMIC	50V	1nF
C2047	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2222	ECEA1HKA100	ELECT	50V	10pF
C2223	ECEA1HKA100	ELECT	50V	10pF
C2224	ECEA1HKA100	ELECT	50V	10pF
C2225	ECEA1HKA100	ELECT	50V	10pF
C2226	ECEA1HKA100	ELECT	50V	10pF
C2227	ECEA1HKA100	ELECT	50V	10pF
C2301	ECA1VHG222E	ELECT	35V	2.2pF
C2302	ECQV1H684J	FILM	50V	680nF
C2303	ECJ3VB1H104K	CERAMIC	3.5KV	100nF
C2304	ECA1VM222GE	ELECT	35V	2200µF
C2305	ECJ2VB1H333K	CERAMIC	50V	33nF
C2306	ECJ2VB1H561K	CERAMIC	50V	560pF
C2307	ECJ2VB1H471K	CERAMIC	50V	470pF
C2308	ECJ2VC1H270J	CERAMIC	50V	27pF
C2309	ECJ2VB1H471K	CERAMIC	50V	470pF
C2310	ECJ2VB1H331K	CERAMIC	50V	330nF
C2312	ECJ3VB1H104K	CERAMIC	3.5KV	100nF
C2313	ECJ2VB1H103K	CERAMIC	50V	10nF
C2314	ECJ2VB1H331K	CERAMIC	50V	330nF
C2315	ECJ3VB1H104K	CERAMIC	3.5KV	100nF
C2316	ECJ2VB1H471K	CERAMIC	50V	470pF
C2317	ECA1HM4R7GB	ELECT	50V	4.7µF
C2319	ECJ2VB1H102K	CERAMIC	50V	1nF
C2320	ECJ2VB1H681K	CERAMIC	50V	680pF
C2321	ECA1CM471GB	ELECT	16V	470µF
C2322	ECJ2VB1H471K	CERAMIC	50V	470pF
C2323	ECQV1H684J	FILM	50V	680nF
C2324	ECJ2VB1H103K	CERAMIC	50V	10nF
C2325	ECA1HM4R7GB	ELECT	50V	4.7µF
C2326	ECA1HM101GB	ELECT	50V	100µF
C2327	ECJ2VB1H102K	CERAMIC	50V	1nF
C2328	ECA1HM101GB	ELECT	50V	100µF
C2329	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2330	ECJ2VB1H561K	CERAMIC	50V	560pF
C2331	ECJ3VB1H104K	CERAMIC	3.5KV	100nF
C2332	ECJ2YB1H104K	CERAMIC	50V	100nF

Cct Ref	Parts Number	Description			
C2333	ECJ2VB1H333K	CERAMIC	50V	33nF	
C2334	ECJ2VF1H104Z	CERAMIC	50V	100nF	
C2335	ECJ2VC1H101J	CERAMIC	50V	100pF	
C2336	ECJ2VF1H104Z	CERAMIC	50V	100nF	
C2337	ECA1CM470GB	ELECT	16V	47μF	
C2338	ECEA1HU221	ELECT	50V	220μF	
C2339	ECEA1HU221	ELECT	50V	220μF	
C2340	ECA1HM101GB	ELECT	50V	100μF	
C2341	ECA1HM330B	ELECT	50V	33μF	
C2342	ECA1HM101GB	ELECT	50V	100μF	
C2343	ECA1HM100GB	ELECT	50V	10μF	
C2344	ECJ2VB1H472K	CERAMIC	50V	4.7nF	
C2345	ECJ2VB1H472K	CERAMIC	50V	4.7nF	
C2346	ECJ2VC1H101J	CERAMIC	50V	100pF	
C2347	EEUFC1H102E	CERAMIC	50V	1μF	
C2348	ECJ2VB1H681K	CERAMIC	50V	680pF	
C2350	ECJ2VB1H471K	CERAMIC	50V	470pF	
C2352	ECEA1HN2R2UB	ELECT	50V	2.2μF	
C2353	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2357	ECQV1H154J	FILM	50V	150nF	
C2359	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2361	ECJ2VB1H102K	CERAMIC	50V	1nF	
C2362	ECJ2VB1H332K	CERAMIC	50V	3.3nF	
C2363	ECQV1H684J	FILM	50V	680nF	
C2365	ECA1HM330B	ELECT	50V	33μF	
C2366	EEANA1E1R0B	CERAMIC	35V	0R1μF	
C2367	ECJ2VC1H561J	CERAMIC	50V	560pF	
C2368	ECJ3VB1H104K	CERAMIC	3.5KV	100nF	
C2369	ECJ2VB1H103K	CERAMIC	50V	10nF	
C2372	ECEA1CN100	ELECT	16V	10μF	
C2373	ECJ2VB1H102K	CERAMIC	50V	1nF	
C2374	ECJ2VB1H102K	CERAMIC	50V	1nF	
C2375	ECJ2VB1H102K	CERAMIC	50V	1nF	
C2376	ECJ2VF1C104Z	CERAMIC	16V	470nF	
C2377	ECJ2VB1H102K	CERAMIC	50V	1nF	
C2378	ECA0JM222GB	ELECT	6.3V	2.2nF	
C2380	ECJ2VB1H472K	CERAMIC	50V	4.7nF	
C2383	ECJ2VC1H101J	CERAMIC	50V	100pF	
C2386	ECJ2VB1H681K	CERAMIC	50V	680pF	
C2387	ECJ3VB1H104K	CERAMIC	3.5KV	100nF	
C2388	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2390	ECQV1H334JL3	FILM	50V	330nF	
C2391	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2393	ECJ2VB1H562K	CERAMIC	50V	5.6nF	
C2394	ECJ2VB1H102K	CERAMIC	50V	1nF	
C2395	ECJ2VB1H332K	CERAMIC	50V	3.3nF	
C2396	ECA1HM2R2GB	ELECT	50V	2.2μF	
C2397	EEANA1E1R0B	CERAMIC	35V	0R1μF	
C2398	ECA1CM102B	ELECT	16V	1000μF	
C2399	ECJ2VB1H103K	CERAMIC	50V	10nF	
C2400	ECA1VHG221B	ELECT	35V	220μF	
C2401	ECOS2GA101BB	ELECT	400V	100μF	
C2402	ECA1CM221GB	ELECT	16V	220μF	
C2403	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C2404	ECA1CM221GB	ELECT	16V	220μF	
C2405	ECQB1H333J	FILM	50V	33nF	
C2406	ECQB1H683K	FILM	50V	68nF	
C2407	ECKC2H103J	CERAMIC	50V	10nF	⚠
C2416	ECQV1H104J	FILM	50V	100nF	
C2417	ECKC2H471J	CERAMIC	500V	470pF	⚠
C2418	ECKC2H471J	CERAMIC	500V	470pF	⚠
C2419	EEUFC1E331B	CERAMIC	25V	330pF	
C2420	ECA1HHG102E	ELECT	50V	1nF	
C2421	ECA1VM102GE	ELECT	35V	1nF	
C2422	ECA1VM102GE	ELECT	35V	1nF	
C2423	ECJ2VF1H104Z	CERAMIC	50V	100nF	

Cct Ref	Parts Number	Description		
C2424	ECEA1CN100	ELECT	16V	10μF
C2425	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2426	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2427	ECQV1H474JZ	FILM	50V	470nF
C2428	ECQV1H474JZ	FILM	50V	470nF
C2429	ECQV1H474JZ	FILM	50V	470nF
C2430	ECQV1H474JZ	FILM	50V	470nF
C2432	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2433	ECA1CM471GB	ELECT	16V	470μF
C2434	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2435	ECJ2YB1H473K	CERAMIC	50V	47nF
C2436	ECJ2YB1H473K	CERAMIC	50V	47nF
C2437	ECJ2YB1H473K	CERAMIC	50V	47nF
C2438	ECJ2YB1H473K	CERAMIC	50V	47nF
C2443	ECJ2VB1H103K	CERAMIC	50V	10nF
C2444	ECJ2VB1H562K	CERAMIC	50V	5.6nF
C2445	ECJ2VC1H561J	CERAMIC	50V	560pF
C2446	ECJ2VC1H561J	CERAMIC	50V	560pF
C2447	ECJ2VB1H103K	CERAMIC	50V	10nF
C2448	ECJ2VB1H562K	CERAMIC	50V	5.6nF
C2449	ECJ2VC1H561J	CERAMIC	50V	560pF
C2450	ECJ2VC1H561J	CERAMIC	50V	560pF
C2451	ECA1HM330B	ELECT	50V	33μF
C2452	ECA1HM330B	ELECT	50V	33μF
C2453	ECA1HM330B	ELECT	50V	33μF
C2454	ECA1HM330B	ELECT	50V	33μF
C2455	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2456	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2457	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2458	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2459	ECEA1HU101	ELECT	50V	100μF
C2460	ECEA1HU101	ELECT	50V	100μF
C2461	ECEA1HU101	ELECT	50V	100μF
C2462	ECEA1HU101	ELECT	50V	100μF
C2463	ECJ2VB1H223K	CERAMIC	50V	22nF
C2464	ECJ2VB1H223K	CERAMIC	50V	22nF
C2465	ECJ2VB1H223K	CERAMIC	50V	22nF
C2466	ECJ2VB1H223K	CERAMIC	50V	22nF
C2471	ECA1HHG101B	ELECT	50V	100μF
C2472	ECEA1HU101	ELECT	50V	100μF
C2473	ECEA1HU101	ELECT	50V	100μF
C2474	ECEA1HU101	ELECT	50V	100μF
C2475	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2476	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2477	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2478	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2479	ECQV1H474JZ	FILM	50V	470nF
C2480	ECQV1H474JZ	FILM	50V	470nF
C2481	ECQV1H474JZ	FILM	50V	470nF
C2482	ECQV1H474JZ	FILM	50V	470nF
C2483	ECJ2VB1H102K	CERAMIC	50V	1nF
C2484	ECJ2VB1H102K	CERAMIC	50V	1nF
C2485	ECJ2VB1H102K	CERAMIC	50V	1nF
C2486	ECJ2VB1H102K	CERAMIC	50V	1nF
C2487	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2488	ECA1VM471GB	ELECT	35V	470μF
C2489	ECEA1HU221	ELECT	50V	220μF
C2491	ECJ2VB1H333K	CERAMIC	50V	33nF
C2492	ECJ2VB1H333K	CERAMIC	50V	33nF
C2494	ECJ2VB1E563K	CERAMIC	25V	56nF
C2495	ECJ2VB1H103K	CERAMIC	50V	10nF
C2496	ECJ2VC1H470J	CERAMIC	50V	47pF
C2497	ECJ2VF1H103Z	CERAMIC	50V	10nF
C2498	ECJ2VC1H220J	CERAMIC	50V	22pF
C2499	ECJ2VB1H471K	CERAMIC	50V	470pF
C2500	ECQV1H334JL3	FILM	50V	330nF

Cct Ref	Parts Number	Description		
C2575	TACCN0J105KT	CERAMIC	6.3V	1μF
C2576	TACCN0J105KT	CERAMIC	6.3V	1μF
C2577	TACCN0J105KT	CERAMIC	6.3V	1μF
C2578	TACCN0J105KT	CERAMIC	6.3V	1μF
C2579	TACCN0J105KT	CERAMIC	6.3V	1μF
C2580	ECEA1CKA470	ELECT	16V	47μF
C2590	ECA1CM471GB	ELECT	16V	470μF
C2592	ECJ2YB1H823K	CERAMIC	50V	82nF
C2593	ECJ2VB1E333K	CERAMIC	25V	33nF
C2594	ECJ2YB1H823K	CERAMIC	50V	82nF
C2595	ECJ2VB1E333K	CERAMIC	25V	33nF
C2596	ECJ2VB1H822K	CERAMIC	50V	8.2nF
C2597	ECJ2VB1H822K	CERAMIC	50V	8.2nF
C2601	ECEA1HN010UB	ELECT	50V	1μF
C2602	ECEA1HN010UB	ELECT	50V	1μF
C2603	ECEA1HN010UB	ELECT	50V	1μF
C2604	ECEA1HN010UB	ELECT	50V	1μF
C2610	ECA1CM471GB	ELECT	16V	470μF
C2702	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2703	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2704	ECA1CM471GB	ELECT	16V	470μF
C2707	ECA1CHG471B	ELECT	16V	470μF
C2708	EEUFC1A471B	CERAMIC	10V	470pF
C2711	ECJ2VF1C104Z	CERAMIC	16V	470nF
C2713	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2715	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2716	EEUFC1A471B	CERAMIC	10V	470pF
C2719	ECA1CM471GB	ELECT	16V	470μF
C2720	ECA1CM471GB	ELECT	16V	470μF
C2722	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2723	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2726	ECA1EHG102B	ELECT	25V	1000μF
C2730	ECA1CM471GB	ELECT	16V	470μF
C2731	ECA1CM471GB	ELECT	16V	470μF
C2732	EEUFC1A471B	CERAMIC	10V	470pF
C2733	ECJ2VF1H104Z	CERAMIC	50V	100nF
C2734	ECA1EM471GB	ELECT	25V	470μF
C2737	ECA1CM471GB	ELECT	16V	470μF
C2740	ECA1CM471GB	ELECT	16V	470μF
C2750	TACCN0J105KT	CERAMIC	6.3V	1μF
C2751	TACCN0J105KT	CERAMIC	6.3V	1μF
C3001	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3003	ECEA1CN470	ELECT	16V	47μF
C3006	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3007	ECJ2VB1E473K	CERAMIC	25V	47nF
C3008	ECJ2VB1E473K	CERAMIC	25V	47nF
C3009	ECJ2VB1E473K	CERAMIC	25V	47nF
C3010	ECJ2VB1E473K	CERAMIC	25V	47nF
C3011	ECJ2VB1E473K	CERAMIC	25V	47nF
C3012	ECJ2VB1E473K	CERAMIC	25V	47nF
C3013	TACCN0J105KT	CERAMIC	6.3V	1μF
C3014	TACCN0J105KT	CERAMIC	6.3V	1μF
C3015	TACCN0J105KT	CERAMIC	6.3V	1μF
C3016	TACCN0J105KT	CERAMIC	6.3V	1μF
C3017	TACCN0J105KT	CERAMIC	6.3V	1μF
C3018	ECJ2VB1C104K	CERAMIC	16V	100nF
C3020	TACCN0J105KT	CERAMIC	6.3V	1μF
C3021	ECJ2VB1C104K	CERAMIC	16V	100nF
C3024	TACCN0J105KT	CERAMIC	6.3V	1μF
C3026	TACCN0J105KT	CERAMIC	6.3V	1μF
C3027	TACCN0J105KT	CERAMIC	6.3V	1μF
C3028	TACCN0J105KT	CERAMIC	6.3V	1μF
C3029	TACCN0J105KT	CERAMIC	6.3V	1μF
C3032	TACCN0J105KT	CERAMIC	6.3V	1μF
C3033	TACCN0J105KT	CERAMIC	6.3V	1μF
C3034	ECJ2VF1C104Z	CERAMIC	16V	470nF

Cct Ref	Parts Number	Description		
C3035	ECA1HM101GB	ELECT	50V	100μF
C3043	TACCN0J105KT	CERAMIC	6.3V	1μF
C3044	TACCN0J105KT	CERAMIC	6.3V	1μF
C3045	TACCN0J105KT	CERAMIC	6.3V	1μF
C3046	ECA1HM101GB	ELECT	50V	100μF
C3047	TACCN0J105KT	CERAMIC	6.3V	1μF
C3048	TACCN0J105KT	CERAMIC	6.3V	1μF
C3049	TACCN0J105KT	CERAMIC	6.3V	1μF
C3050	ECA1CM221GB	ELECT	16V	220μF
C3051	TACCN0J105KT	CERAMIC	6.3V	1μF
C3053	ECA1HM100GB	ELECT	50V	10μF
C3054	ECA1HM100GB	ELECT	50V	10μF
C3055	ECEA1HN100UB	ELECT	50V	10μF
C3056	ECEA1HN100UB	ELECT	50V	10μF
C3057	TACCN0J105KT	CERAMIC	6.3V	1μF
C3058	TACCN0J105KT	CERAMIC	6.3V	1μF
C3065	TACCN0J105KT	CERAMIC	6.3V	1μF
C3066	TACCN0J105KT	CERAMIC	6.3V	1μF
C3068	TACCN0J105KT	CERAMIC	6.3V	1μF
C3071	ECJ2VC1H101J	CERAMIC	50V	100pF
C3072	ECJ2VC1H101J	CERAMIC	50V	100pF
C3073	ECJ2VC1H101J	CERAMIC	50V	100pF
C3077	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3078	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3079	ECEA1CN470	ELECT	16V	47μF
C3101	ECQB1H333J	FILM	50V	33nF
C3102	ECQB1H333J	FILM	50V	33nF
C3107	ECKC1H561J	CERAMIC	50V	560pF
C3109	ECKC1H561J	CERAMIC	50V	560pF
C3111	ECKC1H103J	CERAMIC	50V	100μF
C3112	ECJ2VC1H680J	CERAMIC	50V	68pF
C3113	ECA1CM470GB	ELECT	16V	47μF
C3114	ECEA1CKA470	ELECT	16V	47μF
C3115	ECEA1CN470	ELECT	16V	47μF
C3301	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3302	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3303	ECJ2VF1C104Z	CERAMIC	16V	470nF
C3322	ECJ2VC1H471J	CERAMIC	50V	470pF
C3323	ECA1HHG100B	ELECT	50V	10μF
C3324	ECA1HHG100B	ELECT	50V	10μF
C3401	ECJ2VC1H561J	CERAMIC	50V	560pF
C3404	ECJ2VC1H561J	CERAMIC	50V	560pF
C3407	ECJ2VC1H561J	CERAMIC	50V	560pF
C3408	ECJ2VC1H561J	CERAMIC	50V	560pF
C3409	ECJ2VC1H561J	CERAMIC	50V	560pF
C3410	ECJ2VC1H561J	CERAMIC	50V	560pF
C3415	ECJ2VC1H102J	CERAMIC	50V	1nF
C3417	ECJ2VC1H561J	CERAMIC	50V	560pF
C3418	ECJ2VC1H561J	CERAMIC	50V	560pF
C3419	ECJ2VC1H561J	CERAMIC	50V	560pF
C3420	ECJ2VC1H561J	CERAMIC	50V	560pF
C3425	ECJ2VC1H102J	CERAMIC	50V	1nF
C3427	ECJ2VC1H561J	CERAMIC	50V	560pF
C3428	ECJ2VC1H561J	CERAMIC	50V	560pF
C3429	ECJ2VC1H561J	CERAMIC	50V	560pF
C3430	ECJ2VC1H561J	CERAMIC	50V	560pF
C3435	ECJ2VC1H102J	CERAMIC	50V	1nF
C3437	ECJ2VC1H561J	CERAMIC	50V	560pF
C3440	ECJ2VC1H561J	CERAMIC	50V	560pF
C3443	ECJ2VC1H561J	CERAMIC	50V	560pF
C3446	ECJ2VC1H561J	CERAMIC	50V	560pF
C3450	ECEA1AKA221B	ELECT	10V	220μF
C3451	ECEA1AKA221B	ELECT	10V	220μF
C3452	ECEA1CKA101	ELECT	16V	100μF
C3453	ECEA1CKA101	ELECT	16V	100μF
C3454	ECJ2VC1H220J	CERAMIC	50V	22pF

Cct Ref	Parts Number	Description			
C3455	ECJ2VC1H220J	CERAMIC	50V	22pF	
C3456	ECJ2VC1H220J	CERAMIC	50V	22pF	
C3457	ECJ2VC1H221J	CERAMIC	50V	220pF	
C3458	ECJ2VC1H221J	CERAMIC	50V	220pF	
C3459	ECJ2VC1H221J	CERAMIC	50V	220pF	
C4801	ECA1HM101GB	ELECT	50V	100μF	
C4802	ECJ2VF1C104Z	CERAMIC	16V	470nF	
C4803	ECQV1H334JL3	FILM	50V	330nF	
C4804	ECQV1H334JL3	FILM	50V	330nF	
C4805	ECJ2VF1C104Z	CERAMIC	16V	470nF	
C4806	ECJ2VB1H103K	CERAMIC	50V	10nF	
C4807	ECA1HM4R7GB	ELECT	50V	4.7μF	
C4808	ECA1HM4R7GB	ELECT	50V	4.7μF	
C4809	ECJ2VB1H103K	CERAMIC	50V	10nF	
C***	ECKC3D821JB	CERAMIC	2KV	820pF	⚠

TERMINALS AND LINKS

JK2402	TORX178B	OPTICAL CONNECTOR	
JK2403	TJBA181-1	COAXIAL TERMINAL	
JK3401	0350536400	SCART SOCKET	
JK3402	0350536400	SCART SOCKET	
JK3403	0350536400	SCART SOCKET	
JK3405	TJB8E015	RCA TERMINAL(3P)	
JK3406	TJB8E015	RCA TERMINAL(3P)	
R868	TSF19252	FS LINK	⚠
R874	TSF19402	FS LINK	⚠
R2405	TSF19252	FS LINK	⚠
R2419	TSF19402	FS LINK	⚠
R2420	TSF19252	FS LINK	⚠

SWITCHES

S840	ESB92S11B	SWITCH	⚠
S1003	EVQ23405R	SWITCH	
S1004	EVQ23405R	SWITCH	
S1005	EVQ23405R	SWITCH	
S1006	EVQ23405R	SWITCH	
S1007	EVQ23405R	SWITCH	

RELAYS

RL801	K6B1ADA00010	RELAY	⚠
RL802	K6B2ADA00004	RELAY	⚠

DIFFERENCES FOR MODEL TX--32PG50D

EXPLODED VIEW

21	TNPH0348AM	A P.C.B.	⚠
22	ZTBZAD550A	ANODE CABLE	⚠
23	TTUA0370	BACK COVER	
24	W76EKW10X72	C.R.T.	⚠
25	TTYA0416-2	CABINET	
26	TMW8E047	CHASSIS FRAME	⚠
27	TMWA003-2	CONTROL BRACKET	
28	TNPH0349AB	D P.C.B.	⚠
29	TLK8E05123	DEGAUSS COIL	⚠
30	TNPA1728AB	G P.C.B.	⚠
31	TNPA1726AF	L P.C.B.	⚠
32	TQF8E3114	MODEL LABEL	⚠
33	TBMA060	PANASONIC BADGE	

MISCELLANEOUS COMPONENTS

.	TBLG3020	SET FOOT (REAR)	
.	TBM8E2118	LABEL	
.	TKPA36805	LEFT PANEL	
.	TKPA36904	RIGHT PANEL	
.	TKRA19801	BACK COVER HANDLE	
.	TLK8E05124	GEOMAGNETIC COIL	⚠
.	TPC8E4855	CARTON	
.	TPD8E743	CUSHION TOP	

Cct Ref	Parts Number	Description	
.	TPD8E744	CUSHION BOTTOM	
.	TPD8E745	CUSHION SUB	

INSTRUCTION BOOKS

.	TQB8E3162A	GERMAN	⚠
.	TQB8E3162C	ITALIAN	⚠
.	TQB8E3162D	FRENCH	⚠

I.C.s

IC451	LA7845N	VERTICAL OUTPUT
IC1104	X24BR200-2BD	EAROM *

COILS

L574	ELHKLB040B	COIL
L576	ELC18B801L	COIL
L579	ELHKLB061B	COIL
L702	ELC18B121E	COIL

RESISTORS

JSA81	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R353	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R363	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R372	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R451	ERDS1TJ2R7	CARBON	0.5W	5%	2R7 Ω
R452	ERDS1TJ2R7	CARBON	0.5W	5%	2R7 Ω
R555	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R556	ERF2AKR22	WOUND	0.5W	5%	R22 Ω
R558	ERDS1TJ333	CARBON	0.5W	5%	33K Ω
R559	ERD25TJ273	CARBON	0.25W	5%	27K Ω
R560	ERD25TJ183	CARBON	0.25W	5%	18K Ω
R581	ERDS2TJ104T	CARBON	2W	5%	100K Ω
R582	ERD25TJ124	CARBON	0.25W	5%	120K Ω
R583	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R965	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R967	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1458	ERJ6ENF6801	S.M.CARB	0.1W	1%	6K8 Ω
R2464	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2469	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω

CAPACITORS

C554	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C558	ECWH20472JVB	FILM	200V	4.7nF	
C559	ECQF4123JZH	FILM	400V	12nF	⚠
C561	ECWH20512JVB	FILM	200V	5.1nF	
C562	ECQM4223KC	FILM	400V	220nF	
C577	ECWF2274JBB	FILM	200V	270nF	
C578	ECWF4304JBP	FILM	400V	300nF	
C579	ECWF4334JBB	FILM	400V	330nF	
C580	ECWF4474JBB	FILM	400V	470nF	
C2311	ECEA1HN3R3UB	ELECT	50V	3R3μF	
C2318	ECEA1HN3R3UB	ELECT	50V	3R3μF	
C2360	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2392	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2490	ECJ2YB1H823K	CERAMIC	50V	82nF	
C2493	ECJ2YB1H823K	CERAMIC	50V	82nF	

DIFFERENCES FOR MODEL TX--32PG50F

EXPLODED VIEW

21	TNPH0348AC	A P.C.B.	⚠
22	ZTBZAD550A	ANODE CABLE	⚠
23	TTUA0370	BACK COVER	
24	W76EKW10X72	C.R.T.	⚠
25	TTYA0416-2	CABINET	
26	TMW8E047	CHASSIS FRAME	⚠
27	TMWA003-2	CONTROL BRACKET	
28	TNPH0349AB	D P.C.B.	⚠
29	TLK8E05123	DEGAUSS COIL	⚠
30	TNPA1728AB	G P.C.B.	⚠

Cct Ref	Parts Number	Description	
31	TNPA1726AF	L P.C.B.	⚠
32	TQF8E3085	MODEL LABEL	⚠
33	TBMA060	PANASONIC BADGE	

MISCELLANEOUS COMPONENTS

.	TBLG3020	SET FOOT (REAR)	
.	TBM8E2054	LABEL	
.	TKPA36805	LEFT PANEL	
.	TKPA36904	RIGHT PANEL	
.	TKRA19801	BACK COVER HANDLE	
.	TLK8E05124	GEOMAGNETIC COIL	⚠
.	TPC8E4855	CARTON	
.	TPD8E743	CUSHION TOP	
.	TPD8E744	CUSHION BOTTOM	
.	TPD8E745	CUSHION SUB	

INSTRUCTION BOOKS

.	TQB8E3047AE	GERMAN/SPANISH	⚠
.	TQB8E3047BD	DUTCH/FRENCH	⚠
.	TQB8E3047FG	SWEDISH/NORWEGIAN	⚠
.	TQB8E3047HK	SUOMI/DANISH	⚠

I.C.s

IC451	LA7845N	VERTICAL OUTPUT	
IC1104	X24BR200-2BF	EAROM *	⚠

COILS

L574	ELHKLB040B	COIL
L576	ELC18B801L	COIL
L579	ELHKLB061B	COIL
L702	ELC18B121E	COIL

RESISTORS

JSA81	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R353	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R363	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R372	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R451	ERDS1TJ2R7	CARBON	0.5W	5%	2R7 Ω
R452	ERDS1TJ2R7	CARBON	0.5W	5%	2R7 Ω
R555	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R556	ERF2AKR22	WOUND	0.5W	5%	R22 Ω
R558	ERDS1TJ333	CARBON	0.5W	5%	33K Ω
R559	ERD25TJ273	CARBON	0.25W	5%	27K Ω
R560	ERD25TJ183	CARBON	0.25W	5%	18K Ω
R581	ERDS2TJ104T	CARBON	2W	5%	100K Ω
R582	ERD25TJ124	CARBON	0.25W	5%	120K Ω
R583	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R965	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R967	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1458	ERJ6ENF6801	S.M.CARB	0.1W	1%	6K8 Ω
R2464	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2469	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω

CAPACITORS

C554	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C558	ECWH20472JVB	FILM	200V	4.7nF	
C559	ECQF4123JZH	FILM	400V	12nF	⚠
C561	ECWH20512JVB	FILM	200V	5.1nF	
C562	ECQM4223KC	FILM	400V	220nF	
C577	ECWF2274JBB	FILM	200V	270nF	
C578	ECWF4304JBP	FILM	400V	300nF	
C579	ECWF4334JBB	FILM	400V	330nF	
C580	ECWF4474JBB	FILM	400V	470nF	
C2311	ECEA1HN3R3UB	ELECT	50V	3R3µF	
C2318	ECEA1HN3R3UB	ELECT	50V	3R3µF	
C2360	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2392	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2490	ECJ2YB1H823K	CERAMIC	50V	82nF	
C2493	ECJ2YB1H823K	CERAMIC	50V	82nF	

Cct Ref	Parts Number	Description

DIFFERENCES FOR MODEL TX--32PG50FP

EXPLODED VIEW

21	TNPH0348BD	A P.C.B.	⚠
22	ZTBZAD550A	ANODE CABLE	⚠
23	TTUA0370	BACK COVER	
24	W76EKW10X72	C.R.T.	⚠
25	TTYA0416-2	CABINET	
26	TMW8E047	CHASSIS FRAME	⚠
27	TMWA003-2	CONTROL BRACKET	
28	TNPH0349AB	D P.C.B.	⚠
29	TLK8E05123	DEGAUSS COIL	⚠
30	TNPA1728AB	G P.C.B.	⚠
31	TNPA1726AF	L P.C.B.	⚠
32	TQF8E3159	MODEL LABEL	⚠
33	TBMA060	PANASONIC BADGE	

MISCELLANEOUS COMPONENTS

.	TBLG3020	SET FOOT (REAR)	
.	TBM8E2156	LABEL	
.	TKPA36805	LEFT PANEL	
.	TKPA36904	RIGHT PANEL	
.	TKRA19801	BACK COVER HANDLE	
.	TLK8E05124	GEOMAGNETIC COIL	⚠
.	TPC8E4855	CARTON	
.	TPD8E743	CUSHION TOP	
.	TPD8E744	CUSHION BOTTOM	
.	TPD8E745	CUSHION SUB	

INSTRUCTION BOOKS

.	TQB8E3247MN	BULGARIAN/ROMANIAN	⚠
.	TQB8E3247PQ	POLISH/HUNGARIAN	⚠
.	TQB8E3247RU	CZECH/ENGLISH	⚠

I.C.s

IC451	LA7845N	VERTICAL OUTPUT
IC1104	X24BR200-2BP	EAROM *

COILS

L574	ELHKLB040B	COIL
L576	ELC18B801L	COIL
L579	ELHKLB061B	COIL
L702	ELC18B121E	COIL

RESISTORS

JSA81	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R353	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R363	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R372	ERJ6ENF1501	S.M.CARB	0.1W	1%	1R5K Ω
R451	ERDS1TJ2R7	CARBON	0.5W	5%	2R7 Ω
R452	ERDS1TJ2R7	CARBON	0.5W	5%	2R7 Ω
R555	ERD25TJ473	CARBON	0.25W	5%	47K Ω
R556	ERF2AKR22	WOUND	0.5W	5%	R22 Ω
R558	ERDS1TJ333	CARBON	0.5W	5%	33K Ω
R559	ERD25TJ273	CARBON	0.25W	5%	27K Ω
R560	ERD25TJ183	CARBON	0.25W	5%	18K Ω
R581	ERDS2TJ104T	CARBON	2W	5%	100K Ω
R582	ERD25TJ124	CARBON	0.25W	5%	120K Ω
R583	ERD25TJ103	CARBON	0.25W	5%	10K Ω
R965	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R967	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1458	ERJ6ENF6801	S.M.CARB	0.1W	1%	6K8 Ω
R2464	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2469	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω

CAPACITORS

C554	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C558	ECWH20472JVB	FILM	200V	4.7nF	

Cct Ref	Parts Number	Description			
C559	ECQF4123JZH	FILM	400V	12nF	⚠
C561	ECWH20512JVB	FILM	200V	5.1nF	
C562	ECQM4223KC	FILM	400V	220nF	
C577	ECWF2274JBB	FILM	200V	270nF	
C578	ECWF4304JBP	FILM	400V	300nF	
C579	ECWF4334JBB	FILM	400V	330nF	
C580	ECWF4474JBB	FILM	400V	470nF	
C2311	ECEA1HN3R3UB	ELECT	50V	3R3µF	
C2318	ECEA1HN3R3UB	ELECT	50V	3R3µF	
C2360	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2392	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2490	ECJ2YB1H823K	CERAMIC	50V	82nF	
C2493	ECJ2YB1H823K	CERAMIC	50V	82nF	

DIFFERENCES FOR MODEL TX--36PG50D

EXPLODED VIEW

21	TNPH0348AK	A P.C.B.	⚠
22	ZTBZAD650E	ANODE CABLE	⚠
23	TKUC08903	BACK COVER	
24	W86LPX955X07	C.R.T.	⚠
25	TTYA0412-1	CABINET	
26	TMX8E050	CHASSIS FRAME	
27	TMWA017-1	CONTROL BRACKET	
28	TNPH0349	D P.C.B.	⚠
29	TXFLK01EFG	DEGAUSS COIL	⚠
30	TNPA1728	G P.C.B.	⚠
31	TNPA1726	L P.C.B.	⚠
32	TQF8E3112	MODEL LABEL	⚠
33	TBMA059	PANASONIC BADGE	

MISCELLANEOUS COMPONENTS

.	TBM8E2120	LABEL	⚠
.	TKPA36301	FRONT LEFT PANEL	
.	TKPA36401	FRONT RIGHT PANEL	
.	TKRA19701	HANDLE	
.	TMM15404-1	CLAMPER	
.	TPC8E4842	CARTON	
.	TPC8E4843	CARTON BOTTOM	
.	TPD169487	CARTON HANDLE	
.	TPD8E734	CUSHION TOP	
.	TPD8E735	CUSHION BOTTOM	
.	TPD8E737	SUB CUSHION LHS	
.	TPD8E738	SUB CUSHION LHS	

INSTRUCTION BOOKS

.	TQB8E3162A	GERMAN	⚠
.	TQB8E3162C	ITALIAN	⚠
.	TQB8E3162D	FRENCH	⚠

I.C.s

IC451	LA7876N	VERTICAL OUTPUT
IC1104	X24BR200-4AD	EAROM *

DIODES

D450	EU02AV1	DIODE

COILS

L574	ELH5L7701	LINEARITY COIL
L575	ELHKLB071B	COIL
L576	ELC18B331E	COIL
L702	ELC18B331E	COIL

RESISTORS

Cct Ref	Parts Number	Description			
R353	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R363	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R372	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R451	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω
R452	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω
R555	ERO25TKF4702	METAL	0,25W	1%	47K Ω
R556	ERF2AKR18P	WOUND	2W	1%	R18 Ω
R558	ERO25TKF2202	METAL	0.25W	10%	22K Ω
R559	EROS2TKF1502	METAL	2W	1%	15K Ω
R560	ERO25TKF3902	METAL	0.25W	10%	39K Ω
R572	ERD25TJ153	CARBON	0.25W	5%	15K Ω
R581	ERDS2TJ154	CARBON	2W	5%	150K Ω
R582	ERD25TJ274	CARBON	0.25W	5%	270K Ω
R583	ERD25TJ822	CARBON	0.25W	5%	8K2 Ω
R965	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R967	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1458	ERJ6ENF6201V	S.M.CARB	0.1W	1%	6K2 Ω
R2464	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R2469	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω

CAPACITORS

C450	ECA1VM102GB	ELECT	35V	1nF	
C551	ECKC3A821J	CERAMIC	1KV	820pF	⚠
C554	ECKC3D561J	CERAMIC	2KV	560pF	⚠
C558	ECWH20562JVB	FILM	200V	5.6nF	
C559	ECQF4103JZH	FILM	400V	10nF	
C561	ECWH20562JVB	FILM	200V	5.6nF	
C562	ECQF4822JZH	FILM	400V	8.2nF	
C573	ECQM4223JZW	FILM	400V	22nF	
C577	ECWF4304JBP	FILM	400V	300nF	
C578	ECWF4334JBB	FILM	400V	330nF	
C579	ECWF4564JBB	FILM	400V	560nF	
C580	ECWF4684JBB	FILM	400V	680nF	
C2311	ECEA1HNR33	ELECT	50V	330pF	
C2318	ECEA1HNR33	ELECT	50V	330pF	
C2360	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2370	ECA1HM100GB	ELECT	50V	10µF	
C2392	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2490	ECJ2YB1H563K	CERAMIC	50V	56nF	
C2493	ECJ2YB1H563K	CERAMIC	50V	56nF	

DIFFERENCES FOR MODEL TX--36PG50F

EXPLODED VIEW

21	TNPH0348	A P.C.B.	⚠
22	ZTBZAD650E	ANODE CABLE	⚠
23	TKUC08903	BACK COVER	
24	W86LPX955X07	C.R.T.	⚠
25	TTYA0412-1	CABINET	
26	TMX8E050	CHASSIS FRAME	
27	TMWA017-1	CONTROL BRACKET	
28	TNPH0349	D P.C.B.	⚠
29	TXFLK01EFG	DEGAUSS COIL	⚠
30	TNPA1728	G P.C.B.	⚠
31	TNPA1726	L P.C.B.	⚠
32	TQF8E3046	MODEL LABEL	⚠
33	TBMA059	PANASONIC BADGE	

MISCELLANEOUS COMPONENTS

.	TBM8E2134	LABEL	⚠
.	TKPA36301	FRONT LEFT PANEL	
.	TKPA36401	FRONT RIGHT PANEL	
.	TKRA19701	HANDLE	
.	TPC8E4842	CARTON	
.	TPC8E4843	CARTON BOTTOM	
.	TPD169487	CARTON HANDLE	
.	TPD8E734	CUSHION TOP	
.	TPD8E735	CUSHION BOTTOM	
.	TPD8E737	SUB CUSHION LHS	
.	TPD8E738	SUB CUSHION LHS	

INSTRUCTION BOOKS

.	TQB8E3047AE	GERMAN/SPANISH	⚠

Cct Ref	Parts Number	Description	
.	TQB8E3047BD	DUTCH/FRENCH	⚠
.	TQB8E3047FG	SWEDISH/NORWEGIAN	⚠
.	TQB8E3047HK	SUOMI/DANISH	⚠

I.C.s

IC451	LA7876N	VERTICAL OUTPUT
IC1104	X24BR200-1AF	EAROM *

DIODES

D450	EU02AV1	DIODE

COILS

L574	ELH5L7701	LINEARITY COIL
L575	ELHKLB071B	COIL
L576	ELC18B331E	COIL
L702	ELC18B331E	COIL

RESISTORS

R353	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R363	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R372	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R451	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω
R452	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω
R555	ERO25TKF4702	METAL	0,25W	1%	47K Ω
R556	ERF2AKR18P	WOUND	2W	1%	R18 Ω
R558	ERO25TKF2202	METAL	0.25W	10%	22K Ω
R559	EROS2TKF1502	METAL	2W	1%	15K Ω
R560	ERO25TKF3902	METAL	0.25W	10%	39K Ω
R572	ERD25TJ153	CARBON	0.25W	5%	15K Ω
R581	ERDS2TJ154	CARBON	2W	5%	150K Ω
R582	ERD25TJ274	CARBON	0.25W	5%	270K Ω
R583	ERD25TJ822	CARBON	0.25W	5%	8K2 Ω
R965	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R967	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1458	ERJ6ENF6201V	S.M.CARB	0.1W	1%	6K2 Ω
R2464	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R2469	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω

CAPACITORS

C450	ECA1VM102GB	ELECT	35V	1nF	
C551	ECKC3A821J	CERAMIC	1KV	820pF	⚠
C554	ECKC3D561J	CERAMIC	2KV	560pF	⚠
C558	ECWH20562JVB	FILM	200V	5.6nF	
C559	ECQF4103JZH	FILM	400V	10nF	
C561	ECWH20562JVB	FILM	200V	5.6nF	
C562	ECQF4822JZH	FILM	400V	8.2nF	
C573	ECQM4223JZW	FILM	400V	22nF	
C577	ECWF4304JBP	FILM	400V	300nF	
C578	ECWF4334JBB	FILM	400V	330nF	
C579	ECWF4564JBB	FILM	400V	560nF	
C580	ECWF4684JBB	FILM	400V	680nF	
C2311	ECEA1HNR33	ELECT	50V	330pF	
C2318	ECEA1HNR33	ELECT	50V	330pF	
C2360	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2370	ECA1HM100GB	ELECT	50V	10µF	
C2392	ECJ2VB1E563K	CERAMIC	25V	56nF	
C2490	ECJ2YB1H563K	CERAMIC	50V	56nF	
C2493	ECJ2YB1H563K	CERAMIC	50V	56nF	

DIFFERENCES FOR MODEL TX--36PG50FP

EXPLODED VIEW

Cct Ref	Parts Number	Description	
21	TNPH0348BC	A P.C.B.	⚠
22	ZTBZAD650E	ANODE CABLE	⚠
23	TKUC08903	BACK COVER	
24	W86LPX955X07	C.R.T.	⚠
25	TTYA0412-1	CABINET	
26	TMX8E050	CHASSIS FRAME	
27	TMWA017-1	CONTROL BRACKET	
28	TNPH0349	D P.C.B.	⚠
29	TXFLK01EFG	DEGAUSS COIL	⚠
30	TNPA1728	G P.C.B.	⚠
31	TNPA1726	L P.C.B.	⚠
32	TQF8E3160	MODEL LABEL	⚠
33	TBMA059	PANASONIC BADGE	

MISCELLANEOUS COMPONENTS

.	TBM8E2155	LABEL
.	TKPA36301	FRONT LEFT PANEL
.	TKPA36401	FRONT RIGHT PANEL
.	TKRA19701	HANDLE
.	TPC8E4842	CARTON
.	TPC8E4843	CARTON BOTTOM
.	TPD169487	CARTON HANDLE
.	TPD8E734	CUSHION TOP
.	TPD8E735	CUSHION BOTTOM
.	TPD8E737	SUB CUSHION LHS
.	TPD8E738	SUB CUSHION LHS

INSTRUCTION BOOKS

.	TQB8E3247MN	BULGARIAN/ROMANIAN	⚠
.	TQB8E3247PQ	POLISH/HUNGARIAN	⚠
.	TQB8E3247RU	CZECH/ENGLISH	⚠

I.C.s

IC451	LA7876N	VERTICAL OUTPUT
IC1104	X24BR200-1AP	EAROM *

DIODES

D450	EU02AV1	DIODE

COILS

L574	ELH5L7701	LINEARITY COIL
L575	ELHKLB071B	COIL
L576	ELC18B331E	COIL
L702	ELC18B331E	COIL

RESISTORS

R353	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R363	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R372	ERJ6ENF1331	S.M.CARB	0.1W	1%	330 Ω
R451	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω
R452	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω
R555	ERO25TKF4702	METAL	0,25W	1%	47K Ω
R556	ERF2AKR18P	WOUND	2W	1%	R18 Ω
R558	ERO25TKF2202	METAL	0.25W	10%	22K Ω
R559	EROS2TKF1502	METAL	2W	1%	15K Ω
R560	ERO25TKF3902	METAL	0.25W	10%	39K Ω
R572	ERD25TJ153	CARBON	0.25W	5%	15K Ω
R581	ERDS2TJ154	CARBON	2W	5%	150K Ω
R582	ERD25TJ274	CARBON	0.25W	5%	270K Ω
R583	ERD25TJ822	CARBON	0.25W	5%	8K2 Ω
R965	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R967	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1458	ERJ6ENF6201V	S.M.CARB	0.1W	1%	6K2 Ω
R2464	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R2469	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω

CAPACITORS

C450	ECA1VM102GB	ELECT	35V	1nF	
C551	ECKC3A821J	CERAMIC	1KV	820pF	⚠
C554	ECKC3D561J	CERAMIC	2KV	560pF	⚠
C558	ECWH20562JVB	FILM	200V	5.6nF	
C559	ECQF4103JZH	FILM	400V	10nF	
C561	ECWH20562JVB	FILM	200V	5.6nF	
C562	ECQF4822JZH	FILM	400V	8.2nF	
C573	ECQM4223JZW	FILM	400V	22nF	
C577	ECWF4304JBP	FILM	400V	300nF	
C578	ECWF4334JBB	FILM	400V	330nF	
C579	ECWF4564JBB	FILM	400V	560nF	

Cct Ref	Parts Number	Description		
C580	ECWF4684JBB	FILM	400V	680nF
C2311	ECEA1HNR33	ELECT	50V	330pF
C2318	ECEA1HNR33	ELECT	50V	330pF
C2360	ECJ2VB1E563K	CERAMIC	25V	56nF
C2370	ECA1HM100GB	ELECT	50V	10µF
C2392	ECJ2VB1E563K	CERAMIC	25V	56nF
C2490	ECJ2YB1H563K	CERAMIC	50V	56nF
C2493	ECJ2YB1H563K	CERAMIC	50V	56nF

Cct Ref	Parts Number	Description

SCHEMATIC DIAGRAMS FOR MODELS

TX-36/32PG50D
TX-36/32PG50F
TX-36/32PG50F/P

(EURO-7 CHASSIS)

IMPORTANT SAFETY NOTICE

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

NOTE

1. RESISTOR
   All resistors are carbon ¼W resistor, unless marked otherwise.
   Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)
2. CAPACITORS
   All capacitors are ceramic 50V unless marked otherwise.
   Unit of capacitance is µF unless otherwise stated.
3. COIL
   Unit of inductance is µH, unless otherwise stated.

4. TEST POINT
   ○ Test Point Position

5. EARTH SYMBOL
   ▽ Chassis Earth (Cold)
   ⏚ Line Earth (Hot)

6. VOLTAGE MEASUREMENT
   Voltage is measured by a d.c. voltmeter.
   Measurement conditions are as follows:

Power source	a.c. 220V-240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position

7.
   ➡ Indicates the Video signal path
   ⇨ Indicates the Audio signal path

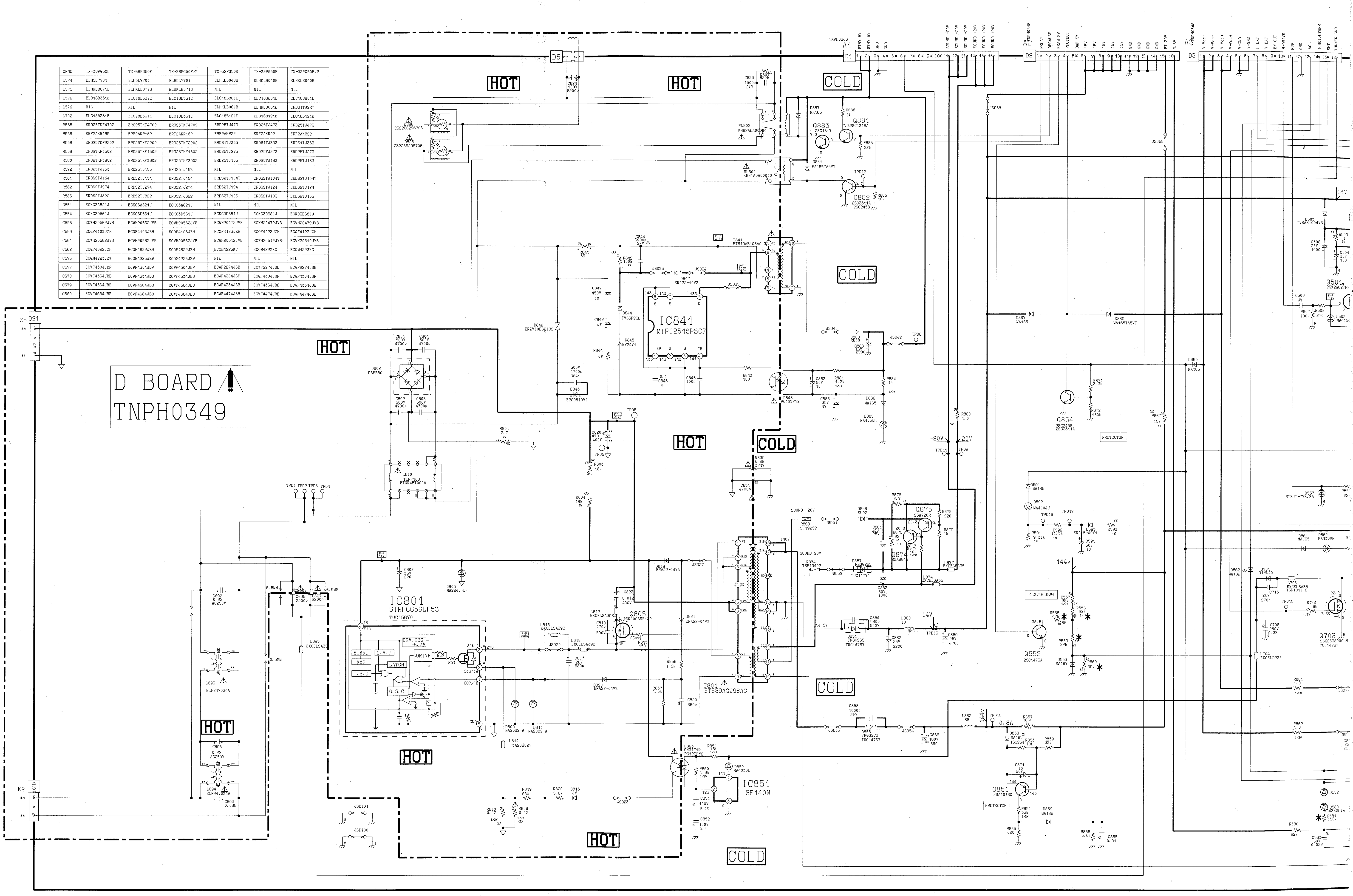
These schematic diagrams are the latest at time of printing and are subject to change without notice.

REMARKS

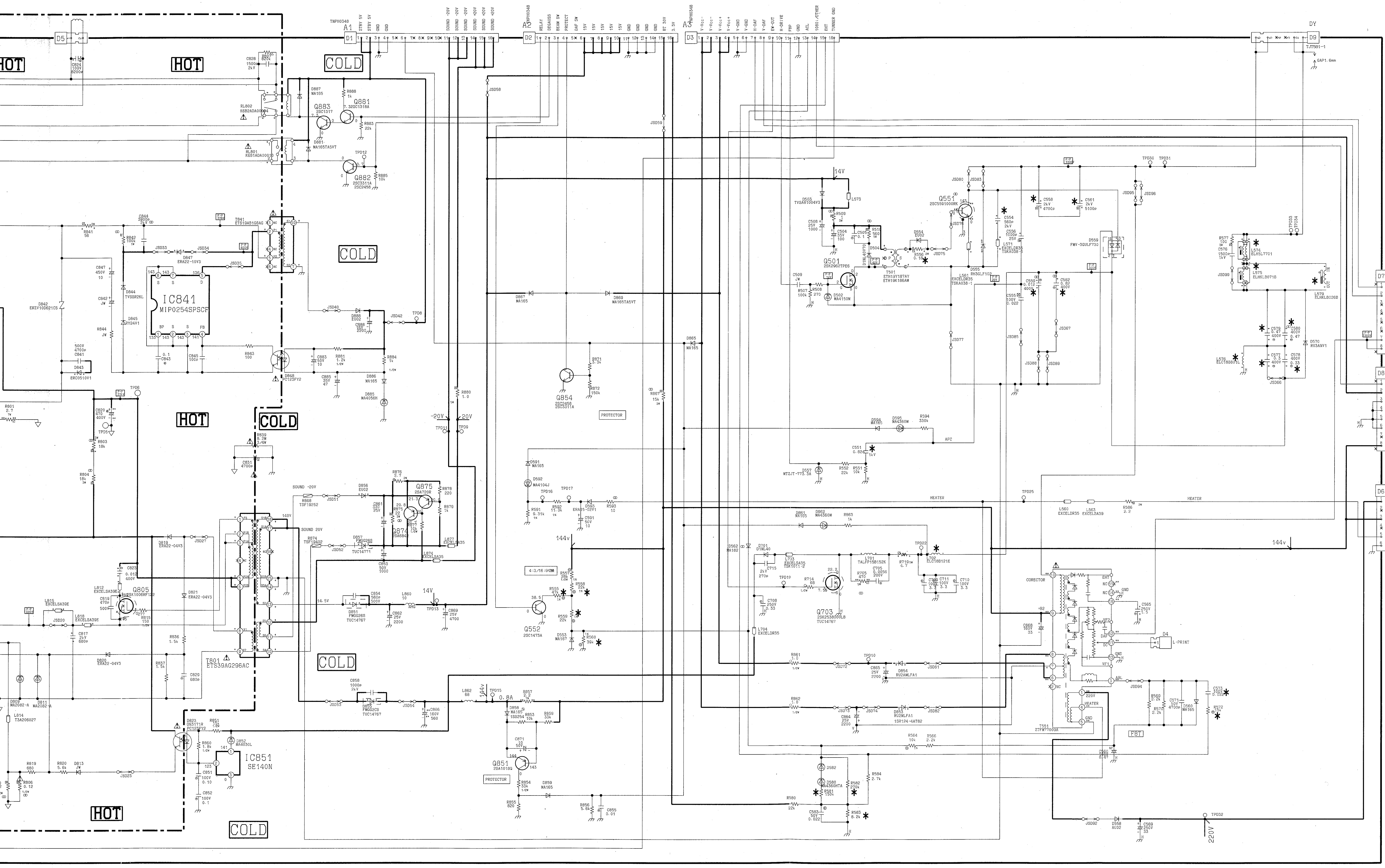
a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
d. Make sure to disconnect the power plug before removing the chassis.

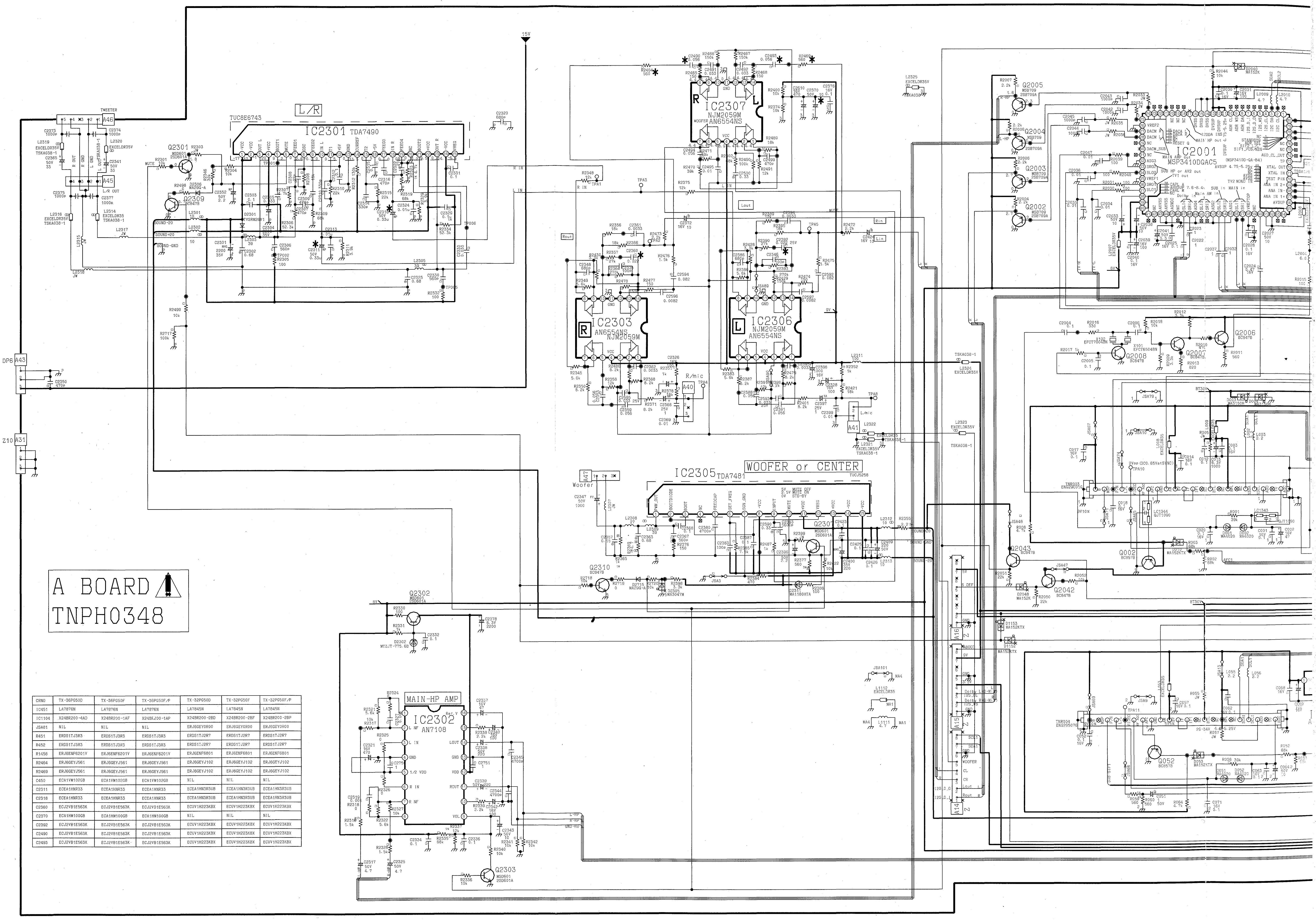
NOTE

1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.


D BOARD
TNPH0349
HOT
COLD
IC801
STRF6656LF53
TUC15670
IC841
MIP0254SPSCF
IC851
SE140N
T801
ETS39AG296AC
T841
ETS19AB1G6AG
Q805
Q851
Q854
Q874
Q875
Q881
Q882
Q883
Q552
Q703
PROTECTOR
TNPH0348
A1
A2
A3
D1
D2
D3
D5
D20
D21
Z8
K2
L893
ELF24V034A
L894
ELF24V034A
RL801
RL802
START
REG
O.V.P
T.S.D
LATCH
DRV.REG
DRIVE
O.S.C
SOUND -20V
SOUND 20V
14V
144V
-20V
20V

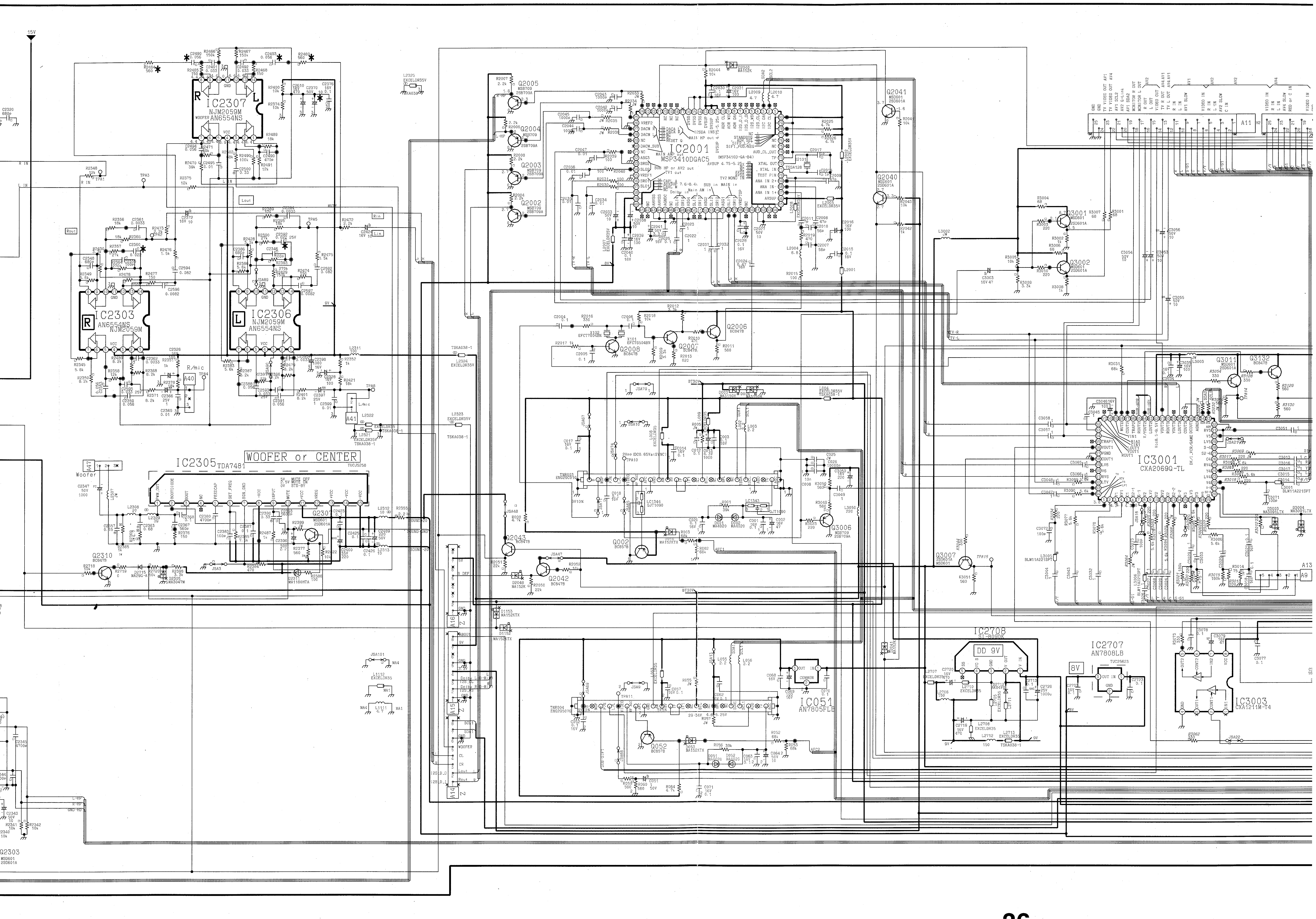
CRNO	TX-36PG50D	TX-36PG50F	TX-36PG50F/P	TX-32PG50D	TX-32PG50F	TX-32PG50F/P
L574	ELH5L7701	ELH5L7701	ELH5L7701	ELHKLB040B	ELHKLB040B	ELHKLB040B
L575	ELHKLB071B	ELHKLB071B	ELHKLB071B	NIL	NIL	NIL
L576	ELC18B331E	ELC18B331E	ELC18B331E	ELC18B801L	ELC18B801L	ELC18B801L
L579	NIL	NIL	NIL	ELHKLB061B	ELHKLB061B	ERDS1TJ2R7
L702	ELC18B331E	ELC18B331E	ELC18B331E	ELC18B121E	ELC18B121E	ELC18B121E
R555	ER025TKF4702	ER025TKF4702	ER025TKF4702	ERD25TJ473	ERD25TJ473	ERD25TJ473
R556	ERF2AKR18P	ERF2AKR18P	ERF2AKR18P	ERF2AKR22	ERF2AKR22	ERF2AKR22
R558	ER025TKF2202	ER025TKF2202	ER025TKF2202	ERDS1TJ333	ERDS1TJ333	ERDS1TJ333
R559	ER02TKF1502	ER025TKF1502	ER025TKF1502	ERD25TJ273	ERD25TJ273	ERD25TJ273
R560	ER02TKF3902	ER025TKF3902	ER025TKF3902	ERD25TJ183	ERD25TJ183	ERD25TJ183
R572	ERD25TJ153	ERD25TJ153	ERD25TJ153	NIL	NIL	NIL
R581	ERDS2TJ154	ERDS2TJ154	ERDS2TJ154	ERDS2TJ104T	ERDS2TJ104T	ERDS2TJ104T
R582	ERDS2TJ274	ERDS2TJ274	ERDS2TJ274	ERDS2TJ124	ERDS2TJ124	ERDS2TJ124
R583	ERDS2TJ822	ERDS2TJ822	ERDS2TJ822	ERDS2TJ103	ERDS2TJ103	ERDS2TJ103
C551	ECKC3A821J	ECKC3A821J	ECKC3A821J	NIL	NIL	NIL
C554	ECKC3D561J	ECKC3D561J	ECKC3D561J	ECKC3D681J	ECKC3D681J	ECKC3D681J
C558	ECWH20562JVB	ECWH20562JVB	ECWH20562JVB	ECWH20472JVB	ECWH20472JVB	ECWH20472JVB
C559	ECQF4103JZH	ECQF4103JZH	ECQF4103JZH	ECQF4123JZH	ECQF4123JZH	ECQF4123JZH
C561	ECWH20562JVB	ECWH20562JVB	ECWH20562JVB	ECWH20512JVB	ECWH20512JVB	ECWH20512JVB
C562	ECQF4822JZH	ECQF4822JZH	ECQF4822JZH	ECQM4223KC	ECQM4223KC	ECQM4223KC
C573	ECQM4223JZW	ECQM4223JZW	ECQM4223JZW	NIL	NIL	NIL
C577	ECWF4304JBP	ECWF4304JBP	ECWF4304JBP	ECWF2274JBB	ECWF2274JBB	ECWF2274JBB
C578	ECWF4334JBB	ECWF4334JBB	ECWF4334JBB	ECWF4304JBP	ECQF4304JBP	ECWF4304JBP
C579	ECWF4564JBB	ECWF4564JBB	ECWF4564JBB	ECWF4334JBB	ECWF4334JBB	ECWF4334JBB
C580	ECWF4684JBB	ECWF4684JBB	ECWF4684JBB	ECWF4474JBB	ECWF4474JBB	ECWF4474JBB

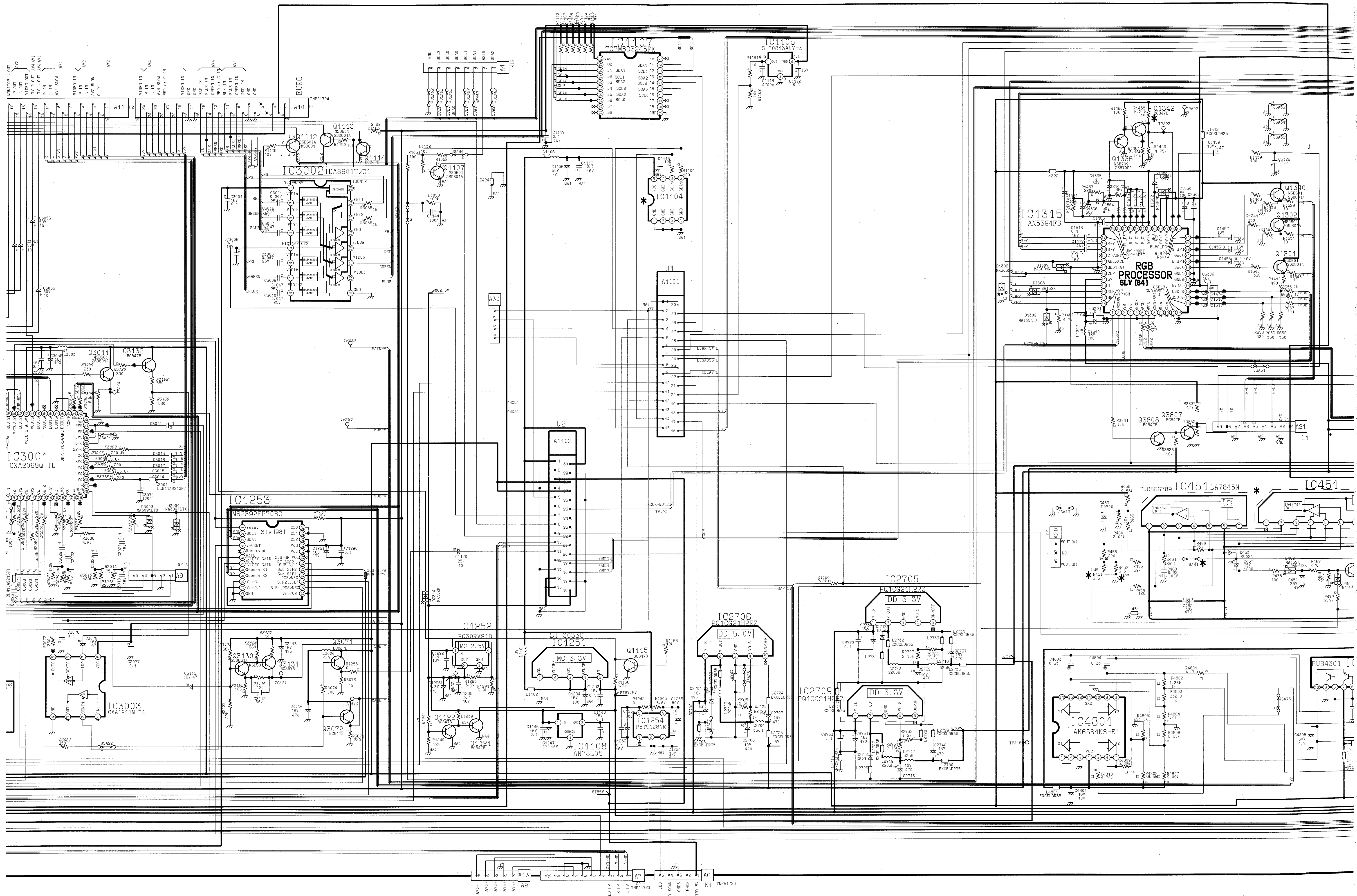

HOT
COLD
D5
D1
A1
TNPH0348
STBY 5V
GND
SOUND -20V
SOUND +20V
D2
A2
RELAY
DEGAUSS
BEAM SW
PROTECT
DAF SW
15V
3.3V
BT 30V
D3
A3
V-Vcc-
V-Vcc+
V-GND
H-DAF
V-DAF
EW-OUT
H-DRIVE
FBP
ACL
1080i/OTHER
EHT
TUNNER GND
DY
D9
TJT501-1
GAP1.6mm
RL802
K6B2ADA00004
RL801
K6B1ADA00018
Q883
2SC1317
Q881
2SC1318A
Q882
2SC3311A
2SC2458
D887
MA165
D881
MA165TA5VT
TPD12
T841
ETS19AB1G6AG
IC841
MIP0254SPSCF
D847
ERA22-10V3
D848
PC123FY2
D842
ERZV10D621CS
D844
TVSR2KL
D845
RY24V1
D843
ERC05L0V1
D885
MA4056H
D886
MA165
TPD8
TPD6
D867
MA165
D869
MA165TA5VT
Q854
2SC2458
2SC3311A
PROTECTOR
D865
MA165
R867
15k
14V
Q501
2SK2962TPE6
D503
TVSA81004V3
D502
MA4150W
T501
ETH19Y187AY
ETH19K186AM
Q551
2SC5591000RK
D555
RH3GLF102
L573
L571
EXCELDR35
TSKA038-1
L561
D559
FMV-3GUF730
TPD30
TPD31
TPD33
TPD34
L574
ELH5L7701
L575
ELH5L8071B
L579
ELC18B0261
L578
ELC18B801L
D57C
RU3AMV1
D7
DF1 TNPA1806
H-DAF
V-DAF
H-GND
NC
DAF TO FBT
D8
DF2 TNPA1806
1080i/OTHER
15V
H-GND
NC
144V
D6
L3
220V
144V
HEATER
D594
MA165
D595
MA4360M
R594
330k
AFC
C551
0.82u
D557
MTZJT-773.3A
-20V
20V
TPD11
TPD9
R880
1.0
D591
MA165
D592
MA4104J
TPD16
TPD17
D593
ERA15-02V1
TPD25
L560
EXCELDR35
L563
EXCELSA39
R586
2.2
144V
4:3/16:9
Q552
2SC1473A
D553
MA167
D861
MA165
D862
MA4360M
R863
1k
D562
MA182
D701
D1NL40
L733
EXCELSA35
TSK1011-2
L701
TALFP15B152K
TPD22
L702
ELC16B121E
Q703
2SK2538D00LB
TUC14767
TPD10
L704
EXCELDR35
CORECTOR
EHT
ABL
D4
L-PRINT
T551
TJFW7009A
FBT
TPD32
220V
TPD10
D854
RU2AMLFA1
D853
RU2MLFA1
1SR124-4AT82
D582
D580
MA4360HTA
R580
22k
SOUND -20V
SOUND 20V
Q875
2SA720R
Q874
2SA684
D856
EU02
D857
FMG26S
TUC14771
L877
EXCELSA35
L874
EXCELSA35
T801
ETS39AG286AC
D851
FMG26S
TUC14767
L860
10
TPD13
C869
25V
4700
14.5V
140V
D819
ERA22-04V3
D821
ERA22-04V3
D820
ERA22-04V3
Q805
2SK1006RF122
L812
EXCELSA39E
L815
EXCELSA39E
L818
EXCELSA39E
TPD5
R839
8.2M
3/4W
D823
ON3171R
PC123FY2
IC851
SE140N
D852
MA4030L
D809
MA2082-A
D811
MA2082-A
L814
T3A206027
D813
J
D855
FMG26S
TUC14767
L862
68
TPD15
0.8A
Q851
2SA1018Q
D858
MA165
1SS254
D859
MA165
PROTECTOR
R801
2.7
R803
18k
R804
18k

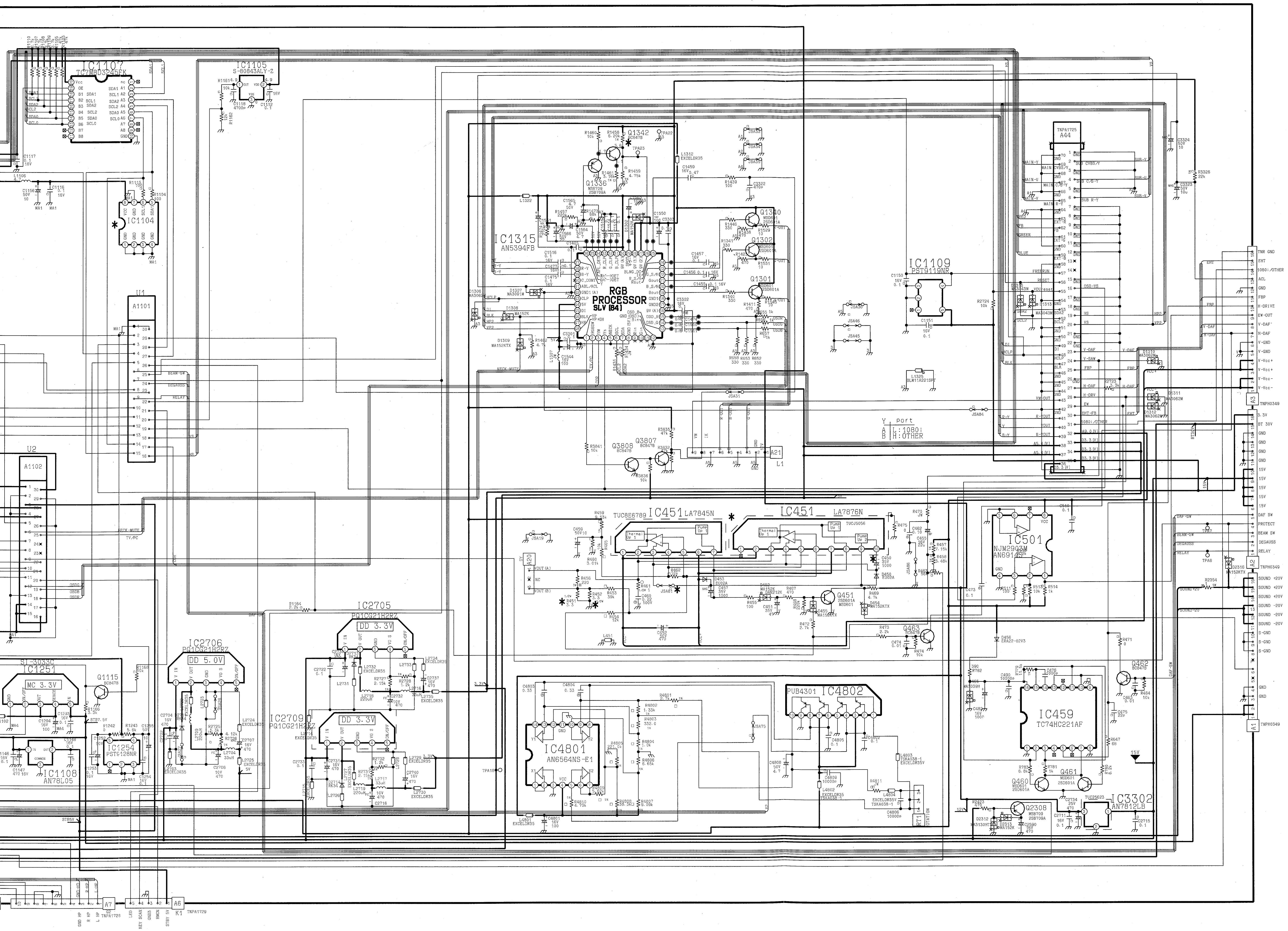

L/R
IC2301 TDA7490
TUC6E6743
IC2307
NJM2059M
AN6554NS
IC2303
AN6554NS
NJM2059M
IC2306
NJM2059M
AN6554NS
IC2305 TDA7481
WOOFER or CENTER
MAIN-HP AMP
IC2302
AN7108
IC2001
MSP3410DQAC5
Q2301
Q2309
Q2302
Q2303
Q2307
Q2310
Q2005
Q2004
Q2003
Q2002
Q2006
Q2007
Q2008
Q2043
Q2042
Q002
Q052
TWEETER
A46
A45
A43
A31
A40
A41
A47
A16
A15
A14
DP6
Z10
15V
R IN
L IN
Rout
Lout
Rin
Lin
R/mic
L/mic
Woofer
SOUND+20
SOUND-20
SOUND-GND

A BOARD ⚠
TNPH0348

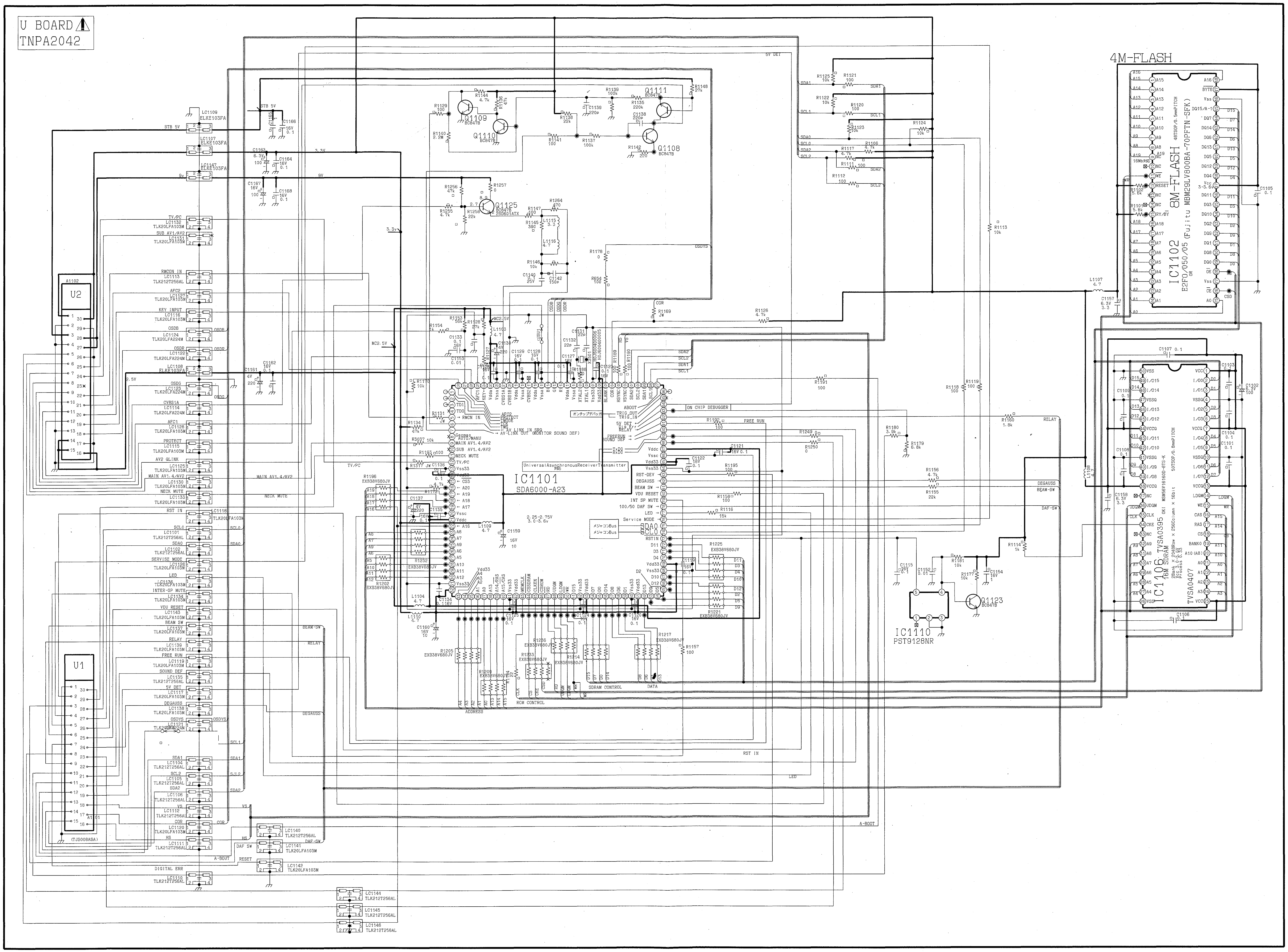
CRNO	TX-36PG50D	TX-36PG50F	TX-36PG50F/P	TX-32PG50D	TX-32PG50F	TX-32PG50F/P
IC451	LA7876N	LA7876N	LA7876N	LA7845N	LA7845N	LA7845N
IC1104	X24BR200-4AD	X24BR200-1AF	X24BK200-1AP	X24BR200-2BD	X24BR200-2BF	X24BR200-2BP
JSA81	NIL	NIL	NIL	ERJ6GEY0R00	ERJ6GEY0R00	ERJ6GEY0R00
R451	ERDS1TJ3R3	ERDS1TJ3R3	ERDS1TJ3R3	ERDS1TJ2R7	ERDS1TJ2R7	ERDS1TJ2R7
R452	ERDS1TJ3R3	ERDS1TJ3R3	ERDS1TJ3R3	ERDS1TJ2R7	ERDS1TJ2R7	ERDS1TJ2R7
R1458	ERJ6ENF6201V	ERJ6ENF6201V	ERJ6ENF6201V	ERJ6ENF6801	ERJ6ENF6801	ERJ6ENF6801
R2464	ERJ6GEYJ561	ERJ6GEYJ561	ERJ6GEYJ561	ERJ6GEYJ102	ERJ6GEYJ102	ERJ6GEYJ102
R2469	ERJ6GEYJ561	ERJ6GEYJ561	ERJ6GEYJ561	ERJ6GEYJ102	ERJ6GEYJ102	ERJ6GEYJ102
C450	ECA1VM102GB	ECA1VM102GB	ECA1VM102GB	NIL	NIL	NIL
C2311	ECEA1HNR33	ECEA1HNR33	ECEA1HNR33	ECEA1HN3R3UB	ECEA1HN3R3UB	ECEA1HN3R3UB
C2318	ECEA1HNR33	ECEA1HNR33	ECEA1HNR33	ECEA1HN3R3UB	ECEA1HN3R3UB	ECEA1HN3R3UB
C2360	ECJ2VB1E563K	ECJ2VB1E563K	ECJ2VB1E563K	ECUV1H223KBX	ECUV1H223KBX	ECUV1H223KBX
C2370	ECA1HM100GB	ECA1HM100GB	ECA1HM100GB	NIL	NIL	NIL
C2392	ECJ2VB1E563K	ECJ2VB1E563K	ECJ2VB1E563K	ECUV1H223KBX	ECUV1H223KBX	ECUV1H223KBX
C2490	ECJ2VB1E563K	ECJ2VB1E563K	ECJ2VB1E563K	ECUV1H223KBX	ECUV1H223KBX	ECUV1H223KBX
C2493	ECJ2VB1E563K	ECJ2VB1E563K	ECJ2VB1E563K	ECUV1H223KBX	ECUV1H223KBX	ECUV1H223KBX


15V
IC2307
NJM2059M
AN6554NS
R
L
IC2303
AN6554NS
NJM2059M
IC2306
NJM2059M
AN6554NS
IC2305 TDA7481
WOOFER or CENTER
Woofer
A47
A40
A41
R/mic
L/mic
Rout
Lout
Rin
Lin
R IN
L IN
Q2310
Q2303
IC2001
MSP3410DGAC5
Q2005
Q2004
Q2003
Q2002
Q2041
Q2040
Q2006
Q2007
Q2008
Q2043
Q2042
Q002
Q052
IC051
AN7805FLB
IC2708
SI-8090K
DD 9V
IC2707
AN7808LB
8V
IC3001
CXA2069Q-TL
IC3003
CXA1211M-T4
Q3001
Q3002
Q3006
Q3007
Q3011
Q3132
A11
A13
A9
A14
A15
A16
TV VIDEO OUT AV1
TV VIDEO OUT AV4
AV1 SCL2
AV1 SDA2
MONITOR R OUT
MONITOR L OUT
R OUT
L OUT
TV R OUT
TV L OUT
AV1 SLOW
R IN
L IN
VIDEO IN
Y IN
C IN
AV4 SLOW
RED or C IN

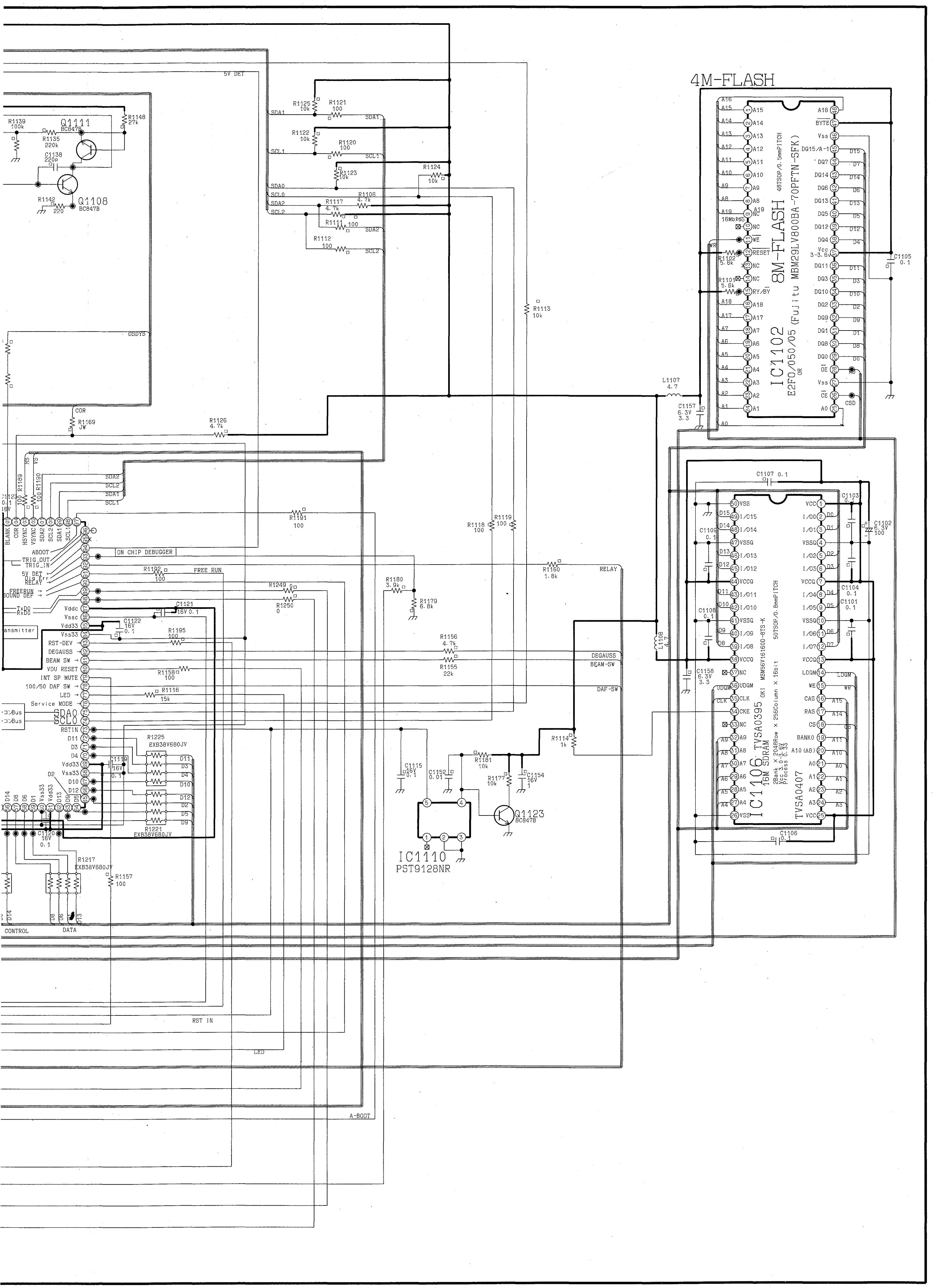

EURO
A10
TNPA1724
A11
A4
J1G
IC1107
TC7MBD3245FK
IC1105
S-80843ALY-Z
Q1113
Q1112
Q1114
Q1107
IC3002 TDA8601T/C1
IC1104
U1
A1101
U2
A1102
A30
IC1315
AN5394FB
RGB PROCESSOR
SLV [84]
Q1342
Q1336
Q1340
Q1302
Q1301
Q3011
Q3132
IC3001
CXA2069Q-TL
A13
A9
IC1253
M62392FP70BC
SLv [98]
IC1252
PQ30RV21B
MC 2.5V
IC1251
SI-3033C
MC 3.3V
Q1115
Q1122
Q1121
IC1108
AN78L05
IC1254
PST9128NR
IC2706
PQ1CG21H2RZ
DD 5.0V
IC2705
PQ1CG21H2RZ
DD 3.3V
IC2709
PQ1CG21H2RZ
DD 3.3V
IC3003
CXA1211M-T4
Q3130
Q3131
Q3071
Q3072
IC451 LA7645N
TUC8E6789
A20
A21
L1
Q3808
Q3807
IC4801
AN6564NS-E1
PUB4301
A7
A6
K1
TNPA1729
G2
TNPA1728
L (AV3)
R (AV3)
C (AV3)
GND (AV3)
V/Y (AV3)
GND HP
R HP
L HP
LED
KEY SCAN
GND5
RMCN
STBY 5V

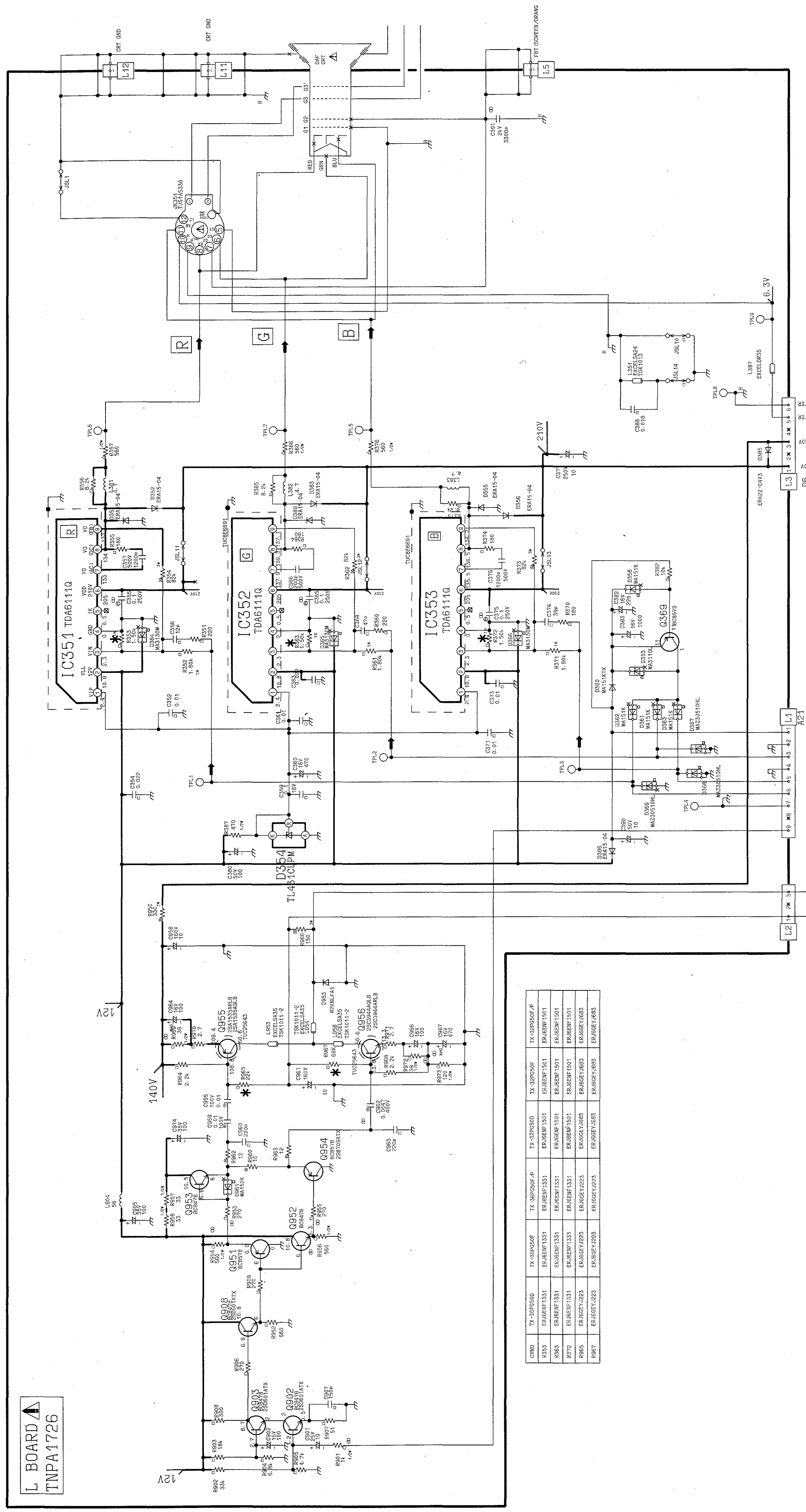

IC1107
TC7MBD3245FK
IC1105
S-80843ALY-Z
IC1104
IC1315
AN5394FB
RGB PROCESSOR
SLV (64)
Q1342
Q1336
Q1340
Q1302
Q1301
IC1109
PST9119NR
TNPA1725
A44
U1
A1101
U2
A1102
Q3808
Q3807
A21
L1
Y port
L:1080i
H:OTHER
IC451 LA7845N
IC451 LA7876N
TUC8E6789
TUCJ5056
IC501
NJM2903M
AN6914S
Q451
Q463
IC2705
PQ1CG21H2RZ
DD 3.3V
IC2706
PQ1CG21H2RZ
DD 5.0V
IC2709
PQ1CG21H2RZ
DD 3.3V
SI-3033C
IC1251
MC 3.3V
Q1115
IC1254
PST9128NR
IC1108
AN78L05
IC4801
AN6564NS-E1
PUB4301
IC4802
IC459
TC74HC221AF
Q462
Q460
Q461
Q2308
IC3302
AN7812LB
TUC25623
A20
A7
A6
K1
TNPA1729
TNPA1721
A3
A2
A1
TNPH0349
TNR GND
EHT
1080i/OTHER
ACL
GND
FBP
H-DRIVE
EW-OUT
V-DAF
H-DAF
V-GND
V-Vcc+
V-Vcc-
3.3V
BT 30V
15V
DAF SW
PROTECT
BEAM SW
DEGAUSS
RELAY
SOUND +20V
SOUND -20V
S-GND
GND HP
R HP
L HP
LED
KEY SCAN
GND
RMIN
STBY 5V
15V
3.3V

U BOARD ⚠
TNPA2042

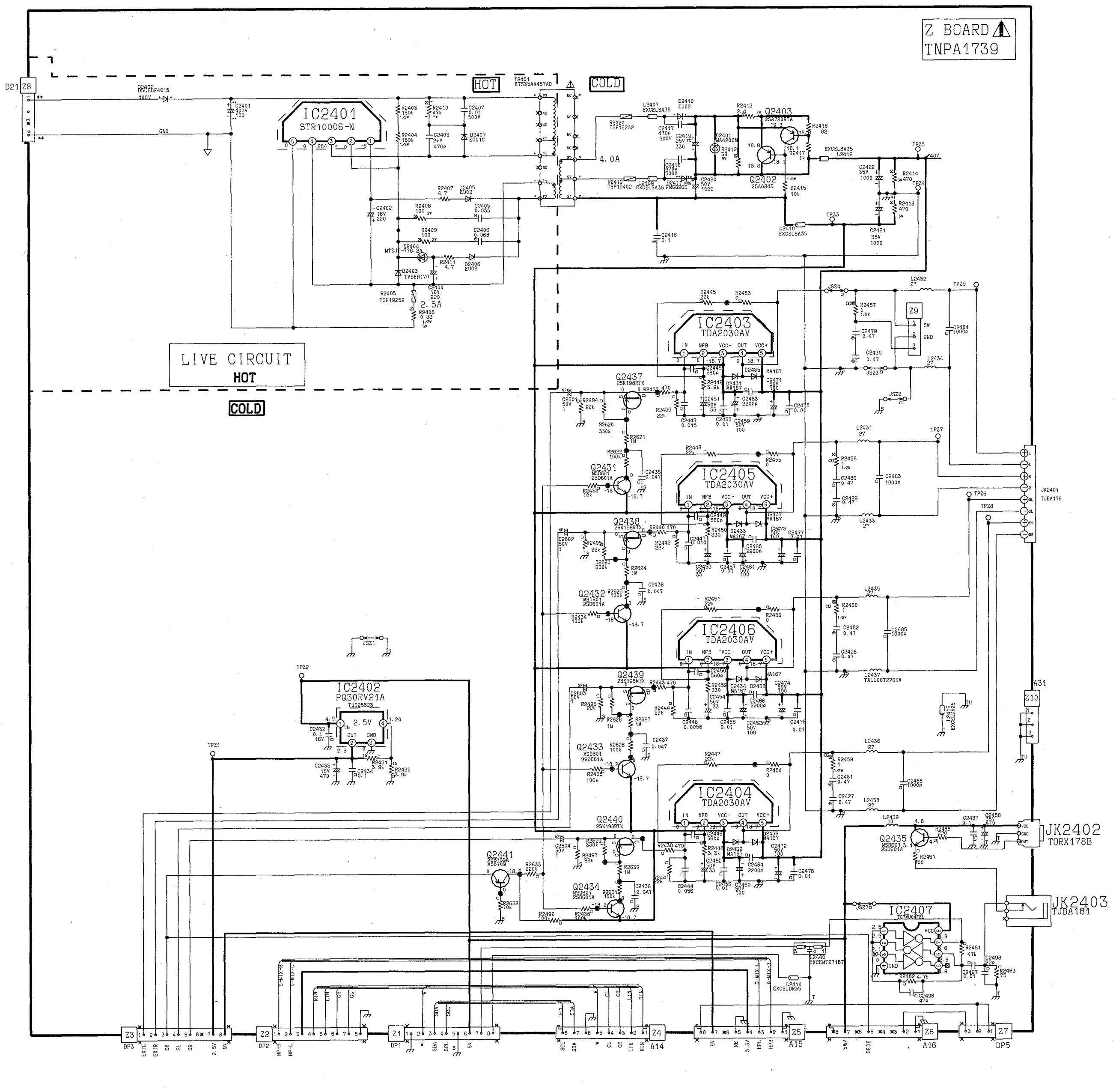


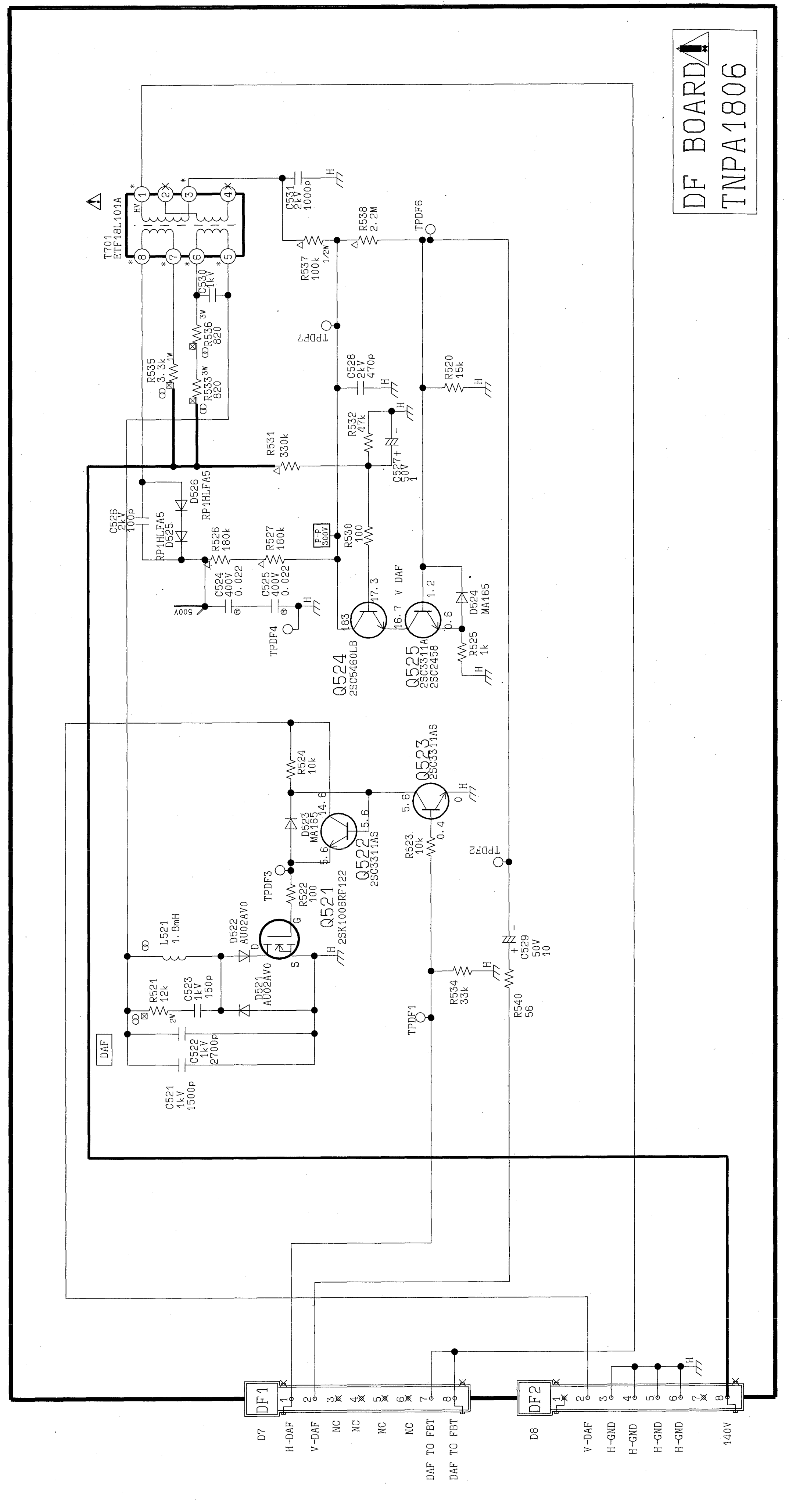
4M-FLASH
IC1102
8M-FLASH
48TSOP/0.5mmPITCH
MBM29LV800BA-70PTN-SFK)
E2P0/050/05 (Fujitsu
IC1101
SDA6000-A23
UniversalAsynchronousReceiverTransmitter
IC1106
16M SDRAM
TVSA0395
TVSA0407
IC1110
PST9128NR
Q1111
Q1109
Q1110
Q1108
Q1125
Q1123
BC847B
U1
U2
A1101
A1102
(TJS008ASA)
STB 5V
3.3V
9V
5V DET
2.5V
MC2.5V
TV/PC
SUB AV1/AV2
RMCON IN
AFC2
KEY INPUT
OSDB
OSDR
OSDG
CVBS1A
AFC1
PROTECT
AV2 QLINK
MAIN AV1.4/AV2
NECK MUTE
RST IN
SCL0
SDA0
SERVISE MODE
LED
INTER-SP MUTE
VDU RESET
BEAM SW
RELAY
FREE RUN
SOUND DEF
5V DET
DEGAUSS
OSDYS
SCL1
SDA1
SCL2
SDA2
VS
HS
COR
DAF SW
RESET
A-BOOT
DIGITAL ERR
ON CHIP DEBUGGER
ADDRESS
RCW CONTROL
SDRAM CONTROL
DATA
LC1109 ELKE103FA
LC1107 ELKE103FA
LC1147 ELKE103FA
LC1108 ELKE103FA
LC1140 TLK212T256AL
LC1141 TLK20LFA103M
LC1142 TLK20LFA103M
LC1110 TLK212T256AL
LC1144 TLK212T256AL
LC1145 TLK212T256AL
LC1146 TLK212T256AL
2.25-2.75V
3.0-3.6V

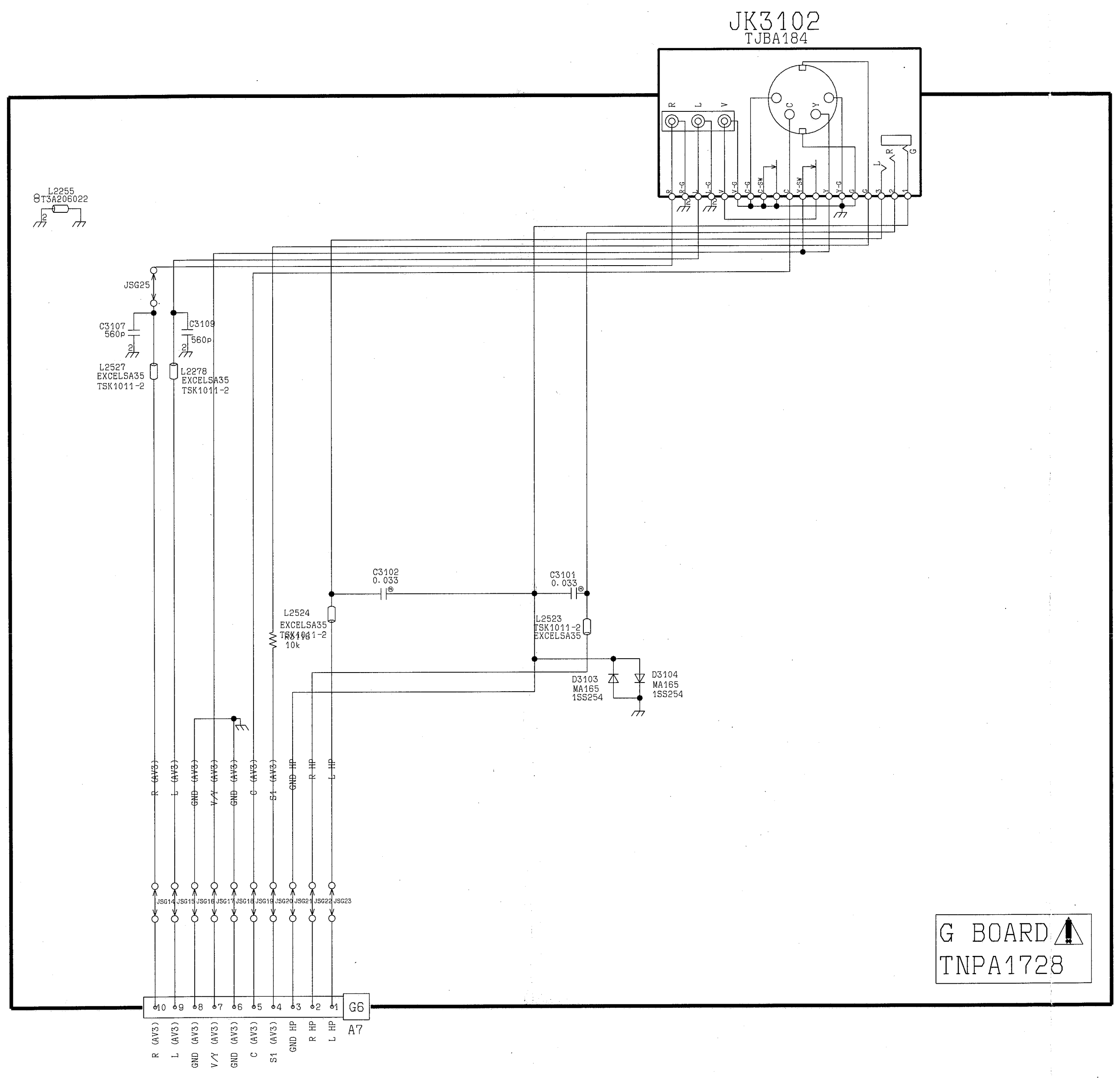

4M-FLASH
IC1102
8M-FLASH
MBM29LV800BA-70PFTN-SFK
E2P0/050/05 (Fujitsu
IC1106
16M SDRAM
TVSA0395
TVSA0407
MSM56V16160D-8TS-K
IC1110
PST9128NR
Q1111
BC847B
Q1108
BC847B
Q1123
BC847B
ON CHIP DEBUGGER
FREE RUN
RELAY
DEGAUSS
BEAM-SW
DAF-SW
RST IN
LED
A-BOOT
CONTROL
DATA
SDA1
SCL1
SDA2
SCL2
5V DET
OSDYS
COR

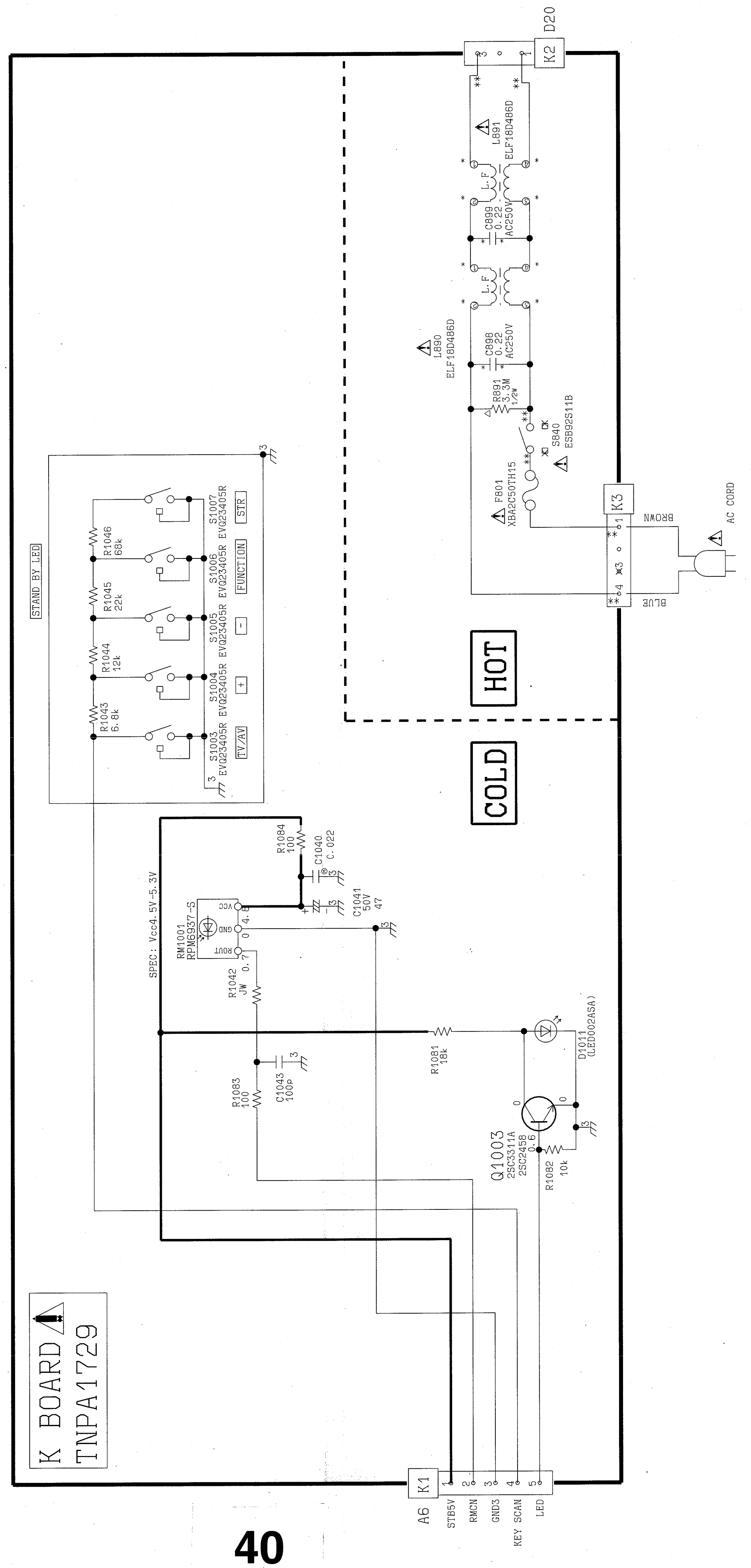

IC351
TDA6111Q
IC352
TDA6111Q
IC353
TDA6111Q
R
G
B
Q369
Q955
Q956
Q954
Q953
Q952
Q951
Q948
Q903
Q902
D354
12V
140V
210V
6.3V
CRT GND
HEATER
L BOARD
TNPA1726

CRNO	TX-36PG50D	TX-36PG50F	TX-36PG50F/P	TX-32PG50D	TX-32PG50F	TX-32PG50F/P
R353	ERJ6ENF1331	ERJ6ENF1331	ERJ6ENF1331	ERJ6ENF1501	ERJ6ENF1501	ERJ6ENF1501
R363	ERJ6ENF1331	ERJ6ENF1331	ERJ6ENF1331	ERJ6ENF1501	ERJ6ENF1501	ERJ6ENF1501
R372	ERJ6ENF1331	ERJ6ENF1331	ERJ6ENF1331	ERJ6ENF1501	ERJ6ENF1501	ERJ6ENF1501
R965	ERJ6GEYJ223	ERJ6GEYJ223	ERJ6GEYJ223	ERJ6GEYJ683	ERJ6GEYJ683	ERJ6GEYJ683
R967	ERJ6GEYJ223	ERJ6GEYJ223	ERJ6GEYJ223	ERJ6GEYJ683	ERJ6GEYJ683	ERJ6GEYJ683


Z BOARD
TNPA1739
HOT
COLD
IC2401
STR10006-N
LIVE CIRCUIT
HOT
COLD
4.0A
2.5A
IC2403
TDA2030AV
IC2405
TDA2030AV
IC2406
TDA2030AV
IC2404
TDA2030AV
IC2402
PQ30RV21A
IC2407
JK2402
TORX178B
JK2403
Q2403
Q2402
Q2437
Q2431
Q2438
Q2432
Q2439
Q2433
Q2440
Q2441
Q2434
Q2435
Z3
Z2
Z1
Z4
Z5
Z6
Z7
A14
A15
A16
DP3
DP2
DP1
DP5
D21
Z8
Z10


DF BOARD
TNPA1806
T701
ETF18L101A
HV
C531
2kV
1000p
R537
100k
1/2W
R538
2.2M
TPDF6
R535
3.3k
R533
820
R536
820
C530
1kV
TPDF7
C528
2kV
470p
R520
15k
R531
330k
R532
47k
C527
50V
1
C526
2kV
100p
D526
RP1H1LFA5
D525
RP1HLFA5
R526
180k
R527
180k
R530
100
C524
400V
0.022
C525
400V
0.022
500V
TPDF4
Q524
2SC5460LB
Q525
2SC5311A
2SC2458
V DAF
D524
MA165
R525
1k
R524
10k
Q523
2SC5311AS
D523
MA165
Q522
2SC5311AS
TPDF3
R522
100
TPDF2
R523
10k
L521
1.0mH
D522
AU02AV0
Q521
2SK1006RF122
D521
AU02AV0
R521
12k
C523
1kV
150p
C522
1kV
2700p
C521
1kV
1500p
DAF
R534
33k
C529
50V
10
R540
56
TPDF1
DF1
DF2
D7
H-DAF
V-DAF
NC
NC
NC
NC
DAF TO FBT
DAF TO FBT
D8
V-DAF
H-GND
H-GND
H-GND
H-GND
140V


JK3102
TJBA184
L2255
TJA206022
JSG25
C3107
560p
C3109
560p
L2527
EXCELSA35
TSK1011-2
L2278
EXCELSA35
TSK1011-2
C3102
0.033
C3101
0.033
L2524
EXCELSA35
TSK1011-2
R3106
10k
L2523
TSK1011-2
EXCELSA35
D3103
MA165
1SS254
D3104
MA165
1SS254
R (AV3)
L (AV3)
GND (AV3)
V/Y (AV3)
GND (AV3)
C (AV3)
S1 (AV3)
GND HP
R HP
L HP
G BOARD
TNPA1728
G6
A7


D20
K2
L891
ELF18D486D
C899
0.22
AC250V
L.F
L890
ELF18D486D
C898
0.22
AC250V
R891
3.3M
1/2W
SB40
ESB92S11B
F801
XBA2C50TH15
K3
BROWN
BLUE
AC CORD
HOT
COLD
STAND BY LED
R1046
68k
R1045
22k
R1044
12k
R1043
6.8k
S1007
EVQ23405R
STR
S1006
EVQ23405R
FUNCTION
S1005
EVQ23405R
-
S1004
EVQ23405R
+
S1003
EVQ23405R
TV/AV
R1084
100
C1040
0.022
C1041
50V
47
SPEC: Vcc4.5V-5.3V
RM1001
RPM6937-S
VCC
GND
ROUT
R1042
JW
R1081
18k
D1011
(LED002ASA)
R1083
100
C1043
100p
Q1003
2SC3311A
2SC2458
R1082
10k
K BOARD
TNPA1729
K1
A6
STB5V
RMCN
GND3
KEY SCAN
LED

DG-BOARD

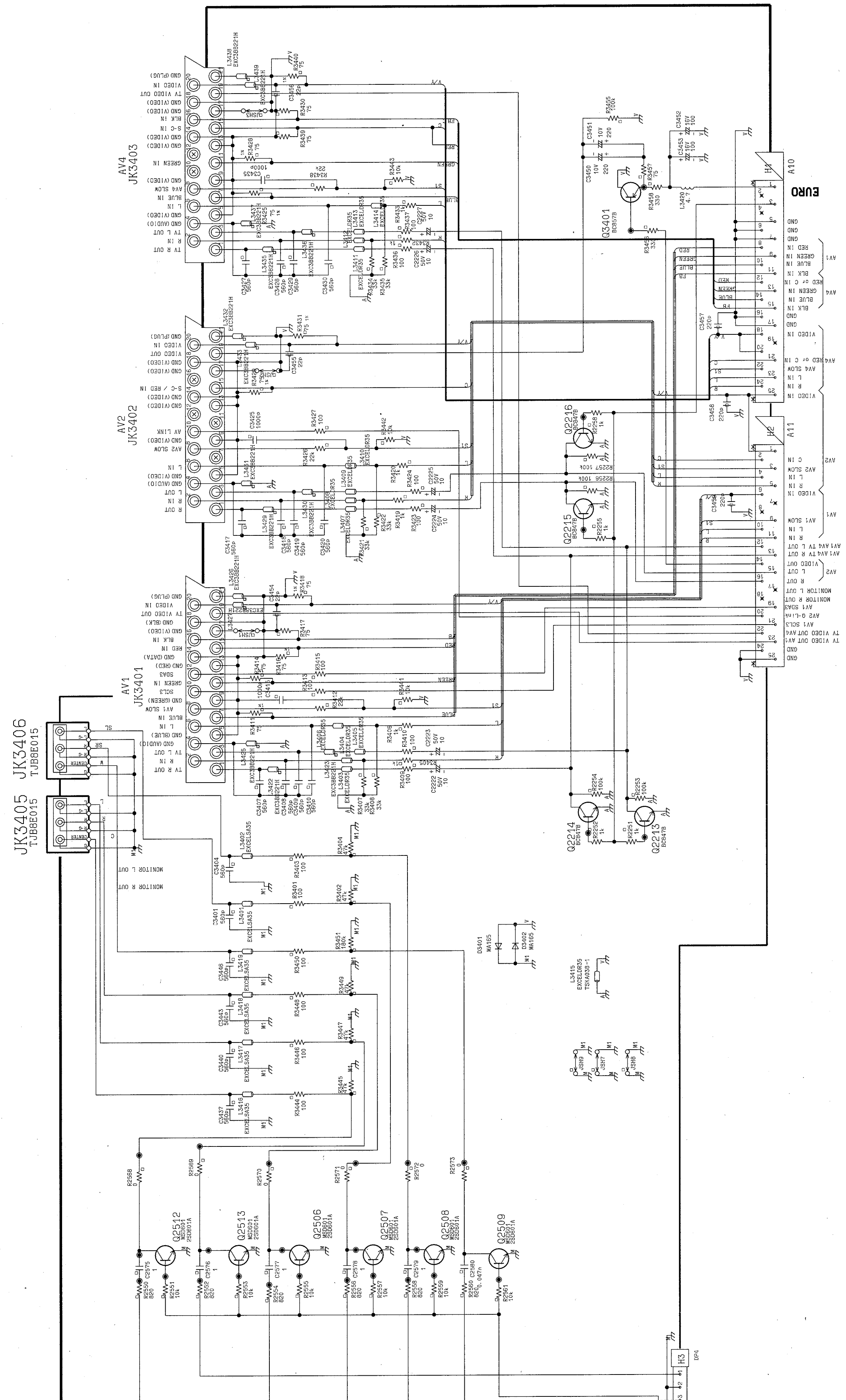
THIS BOARD IS NOT TO BE REPAIRED,
AND MUST BE REPLACED WITH AN EXCHANGE UNIT

DG BOARD⚠
TNPA1965

DP-BOARD

THIS BOARD IS NOT TO BE REPAIRED,
AND MUST BE REPLACED WITH AN EXCHANGE UNIT

DP BOARD⚠
TNPA1727

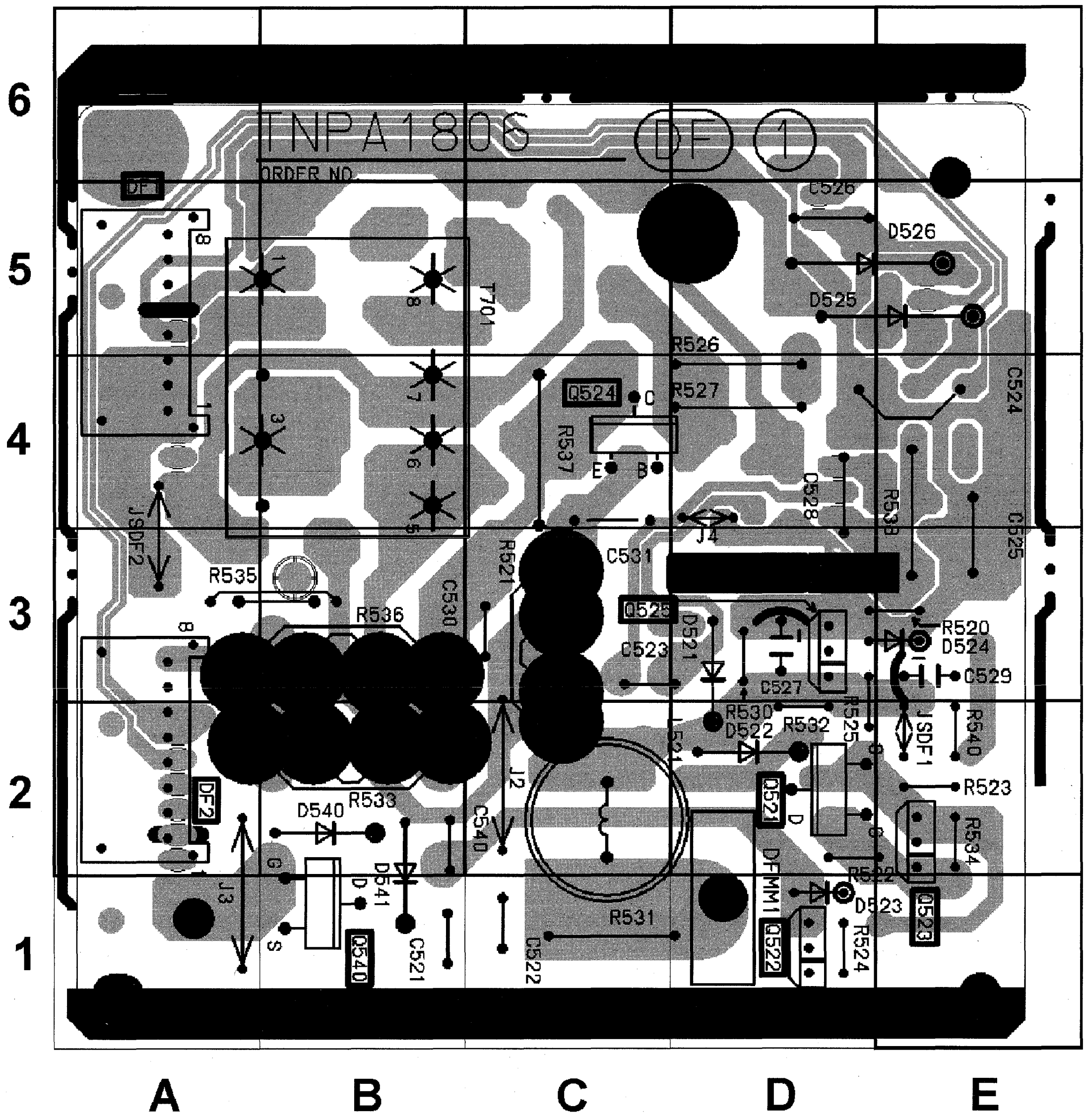

H BOARD
TNPA1724
JK3405
TJB8E015
JK3406
TJB8E015
AV1
JK3401
AV2
JK3402
AV4
JK3403
EURO
A10
A11
H1
H2
H3
Q3401
BC857B
Q2216
Q2215
Q2214
Q2213
Q2512
Q2513
Q2506
Q2507
Q2508
Q2509
D3401
MA165
D3402
MA165
MONITOR L OUT
MONITOR R OUT

CONDUCTOR VIEWS

DF – BOARD TNPA1806

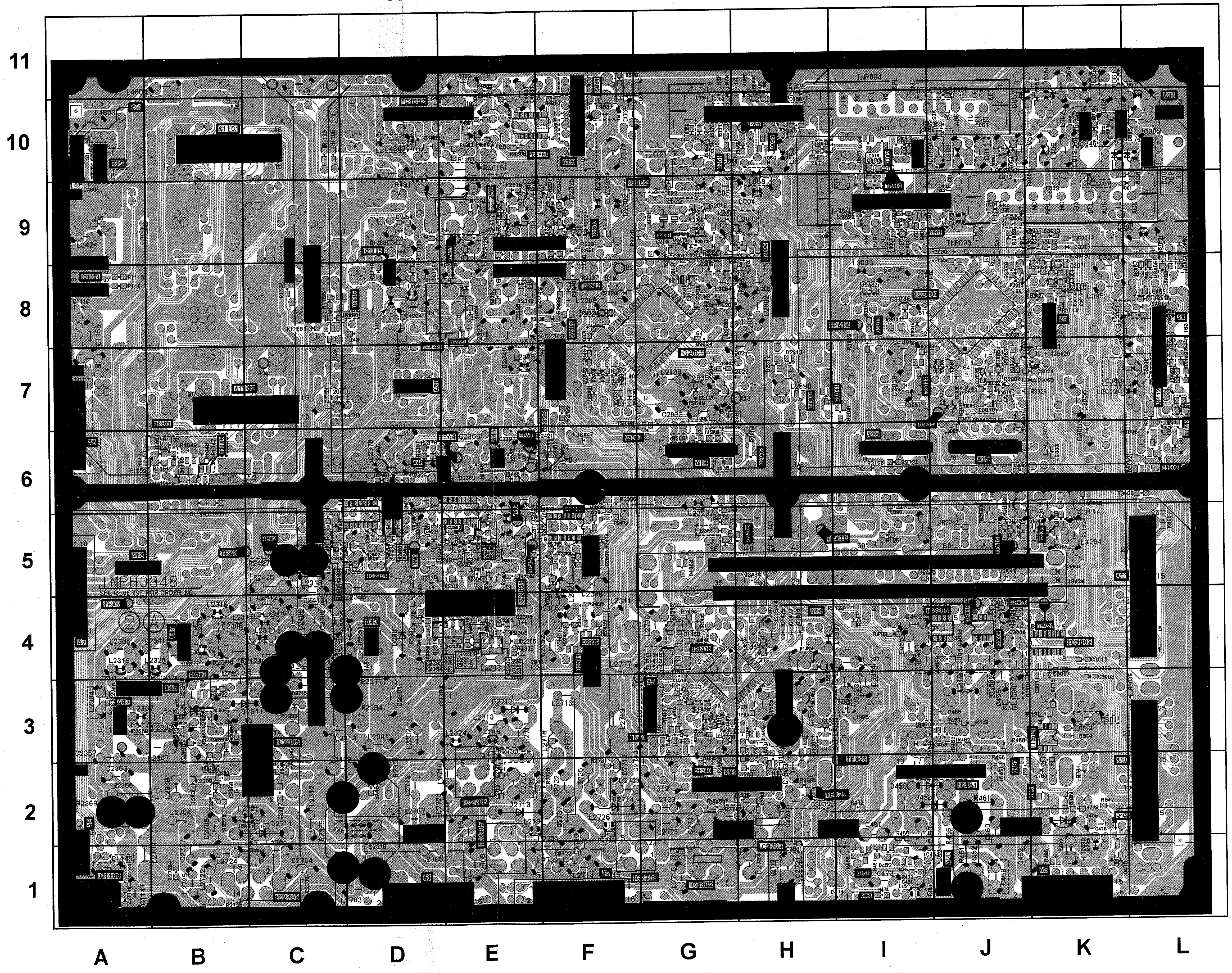
DIODES	
D521	D3
D522	D2
D523	D1
D524	E3
D525	D5
D526	E5
D540	B2
D541	B1

TRANS	
Q521	D2
Q522	D1
Q523	E1
Q524	C4
Q525	C3
Q540	B1


6
5
4
3
2
1
A
B
C
D
E
TNPA1806
DF
1
ORDER NO.
DF1
T701
C526
D526
D525
R526
R527
Q524
C
E
B
R537
C524
D528
R538
C525
JSDF2
J4
R535
R536
C530
R521
C531
Q525
D521
C523
C527
R520
D524
C529
R530
D522
R532
R525
JSDF1
R540
R523
DF2
D540
R533
C540
J2
L521
Q521
D
DFMM1
R534
R522
D523
Q523
R531
Q522
R524
C522
C521
D541
Q540
J3
G
D
S

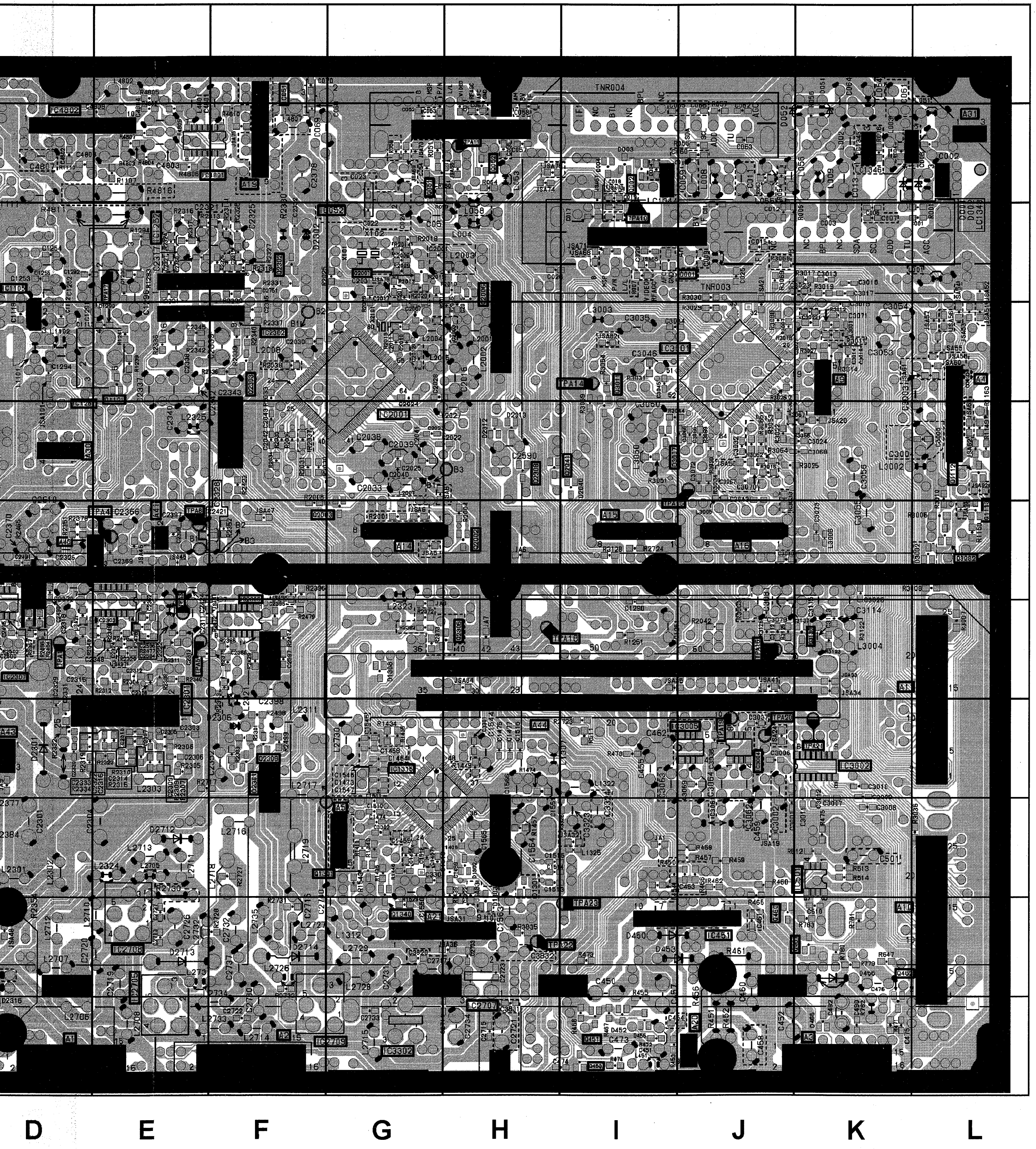
TRANS		I.C.'S	
Q001	J9	IC051	I10
Q002	I9	IC052	E9
Q051	G10	IC451	J2
Q052	H10	IC501	J2
Q451	I1	IC1104	A8
Q453	I1	IC1105	D9
Q460	J2	IC1108	A1
Q461	K2	IC1251	D7
Q462	K2	IC1252	E9
Q1106	B6	IC1315	G3
Q1107	B7	IC2001	G7
Q1112	K7	IC2301	E4
Q1113	C6	IC2302	F8
Q1115	D8	IC2305	C3
Q1121	E7	IC2306	I5
Q1301	G2	IC2307	D5
Q1340	G2	IC2425	B3
Q2002	G6	IC2705	E1
Q2003	G6	IC2708	E2
Q2005	H9	IC2709	G1
Q2041	I7	IC3001	I8
Q2301	F4	IC3002	K4
Q2302	F9	IC3004	J4
Q2303	F8	IC3005	J4
Q2306	G5	IC3302	G1
Q2307	B3	IC4801	F9
Q2308	H7	IC4802	D10
Q2309	F4		
Q3002	L6	**DIODES**	
Q3011	I8	D001	L9
Q3130	K5	D002	L9
		D003	I10
T.P.'S		D052	J10
TPA1	D5	D450	I2
TPA2	C5	D454	I2
TPA3	E6	D1308	G5
TPA4	E6	D2027	H7
TPA5	E4	D2040	I7
TPA6	B5	D2301	D4
TPA7	A5	D2302	F9
TPA8	E6	D2303	B3
TPA10	I6	D2311	C3
TPA11	H10	D2312	H7
TPA14	I8	D2313	H7
TPA15	J6	D2314	C7
TPA16	J5	D2316	D1
TPA17	E9	D2711	C2
TPA18	I5	D2714	F2
TPA19	J4	D2715	C3
TPA20	J4	D3002	L6
TPA21	K4	D3007	J6
TPA22	H2		
TPA23	I2		

A – BOARD TNPH0348



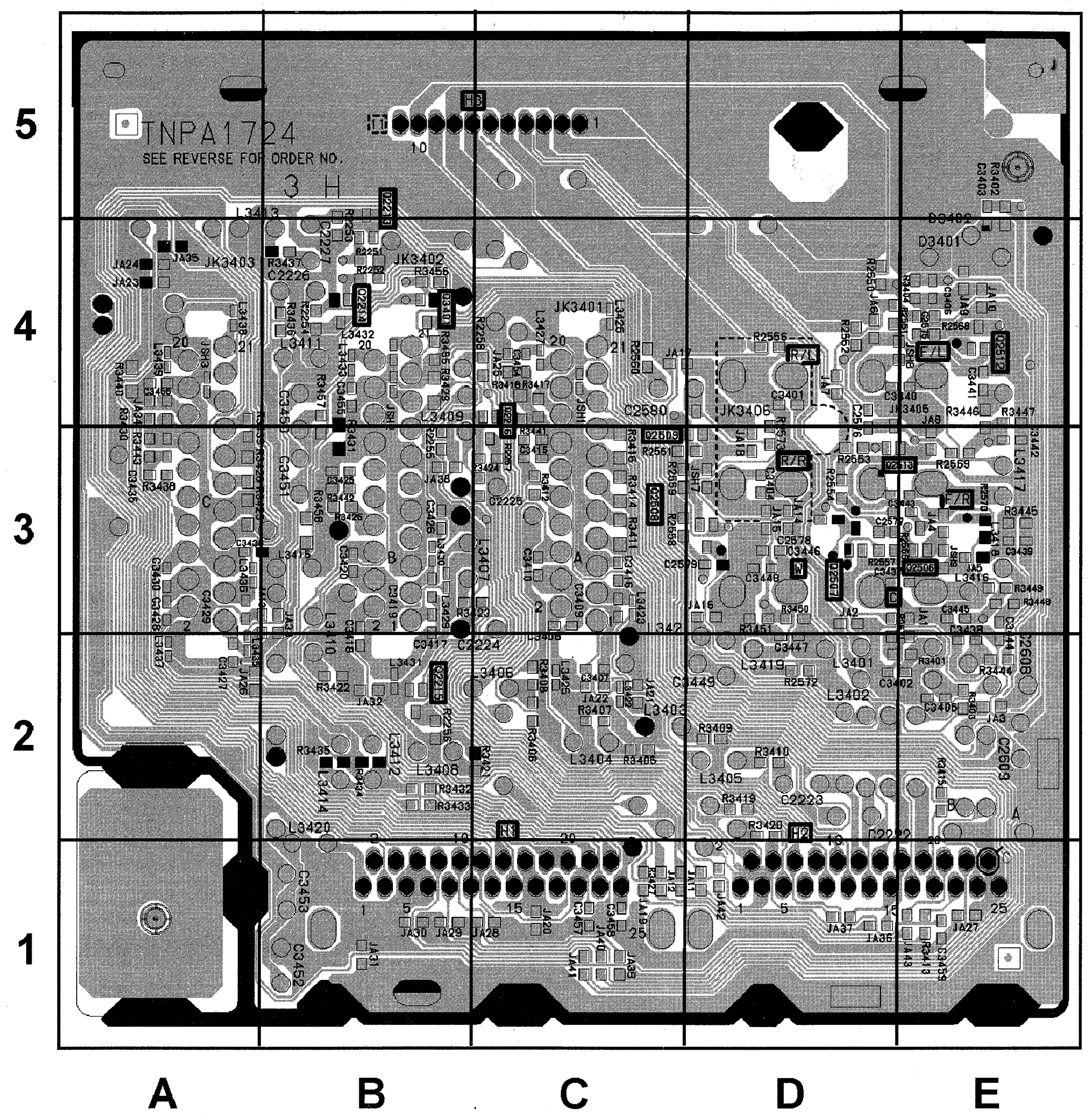
DI
D34
D34
TRAN
Q22
Q22
Q22
Q22
Q25
Q25
Q25
Q25
Q25
Q25
Q34

A – BOARD TNPH0348



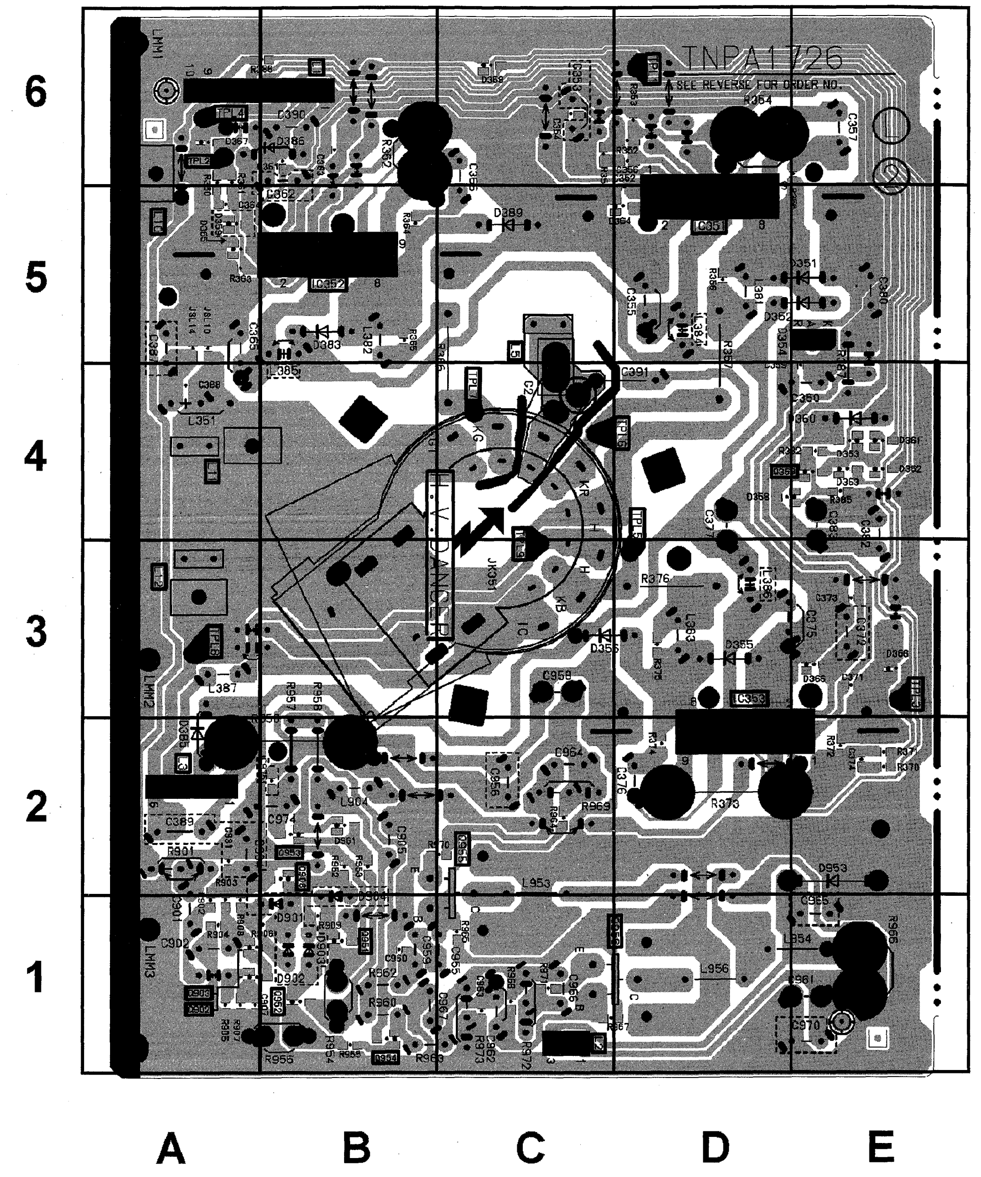
TNPA1724 H - BOARD

DIODE	
D3401	E4
D3402	E4
TRANSISTOR	
Q2213	B5
Q2214	B4
Q2215	B2
Q2216	C4
Q2506	E3
Q2507	D3
Q2508	C3
Q2509	C3
Q2512	E4
Q2513	D3
Q3401	B4


TNPA1724
SEE REVERSE FOR ORDER NO.
3 H
5
4
3
2
1
A
B
C
D
E

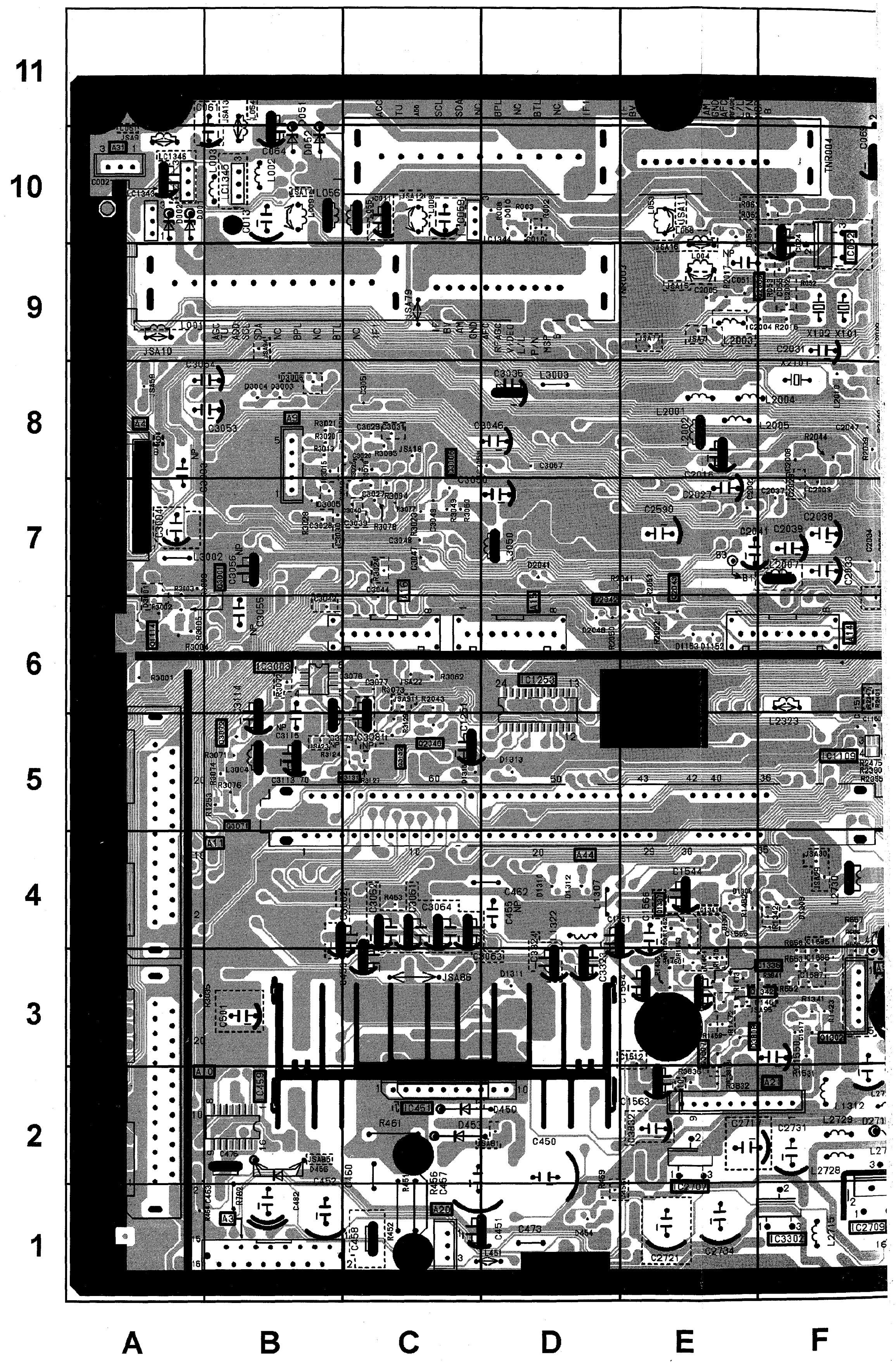
L – BOARD TNPA1726

TRANS		D362	E4
Q369	E4	D363	E4
Q902	A1	D364	D5
Q903	A1	D365	A5
Q908	B2	D366	E3
Q951	B1	D367	A6
Q952	B1	D369	C6
Q953	B2	D383	B5
Q954	B1	D385	A2
Q955	C2	D386	B6
Q956	D1	D389	C5
		D901	B1
I.C.'S		D902	B1
IC351	D5	D903	B1
IC352	B5	D904	B1
IC353	D2	D953	E2
		D961	B2
DIODES			
D351	E5	**T.P.'S**	
D352	E5	TPL1	D6
D353	E4	TPL2	A6
D354	E5	TPL3	E3
D355	D3	TPL4	A6
D356	C3	TPL5	D4
D358	D4	TPL6	D4
D359	A5	TPL7	C4
D360	E4	TPL8	A3
D361	E4	TPL9	C3



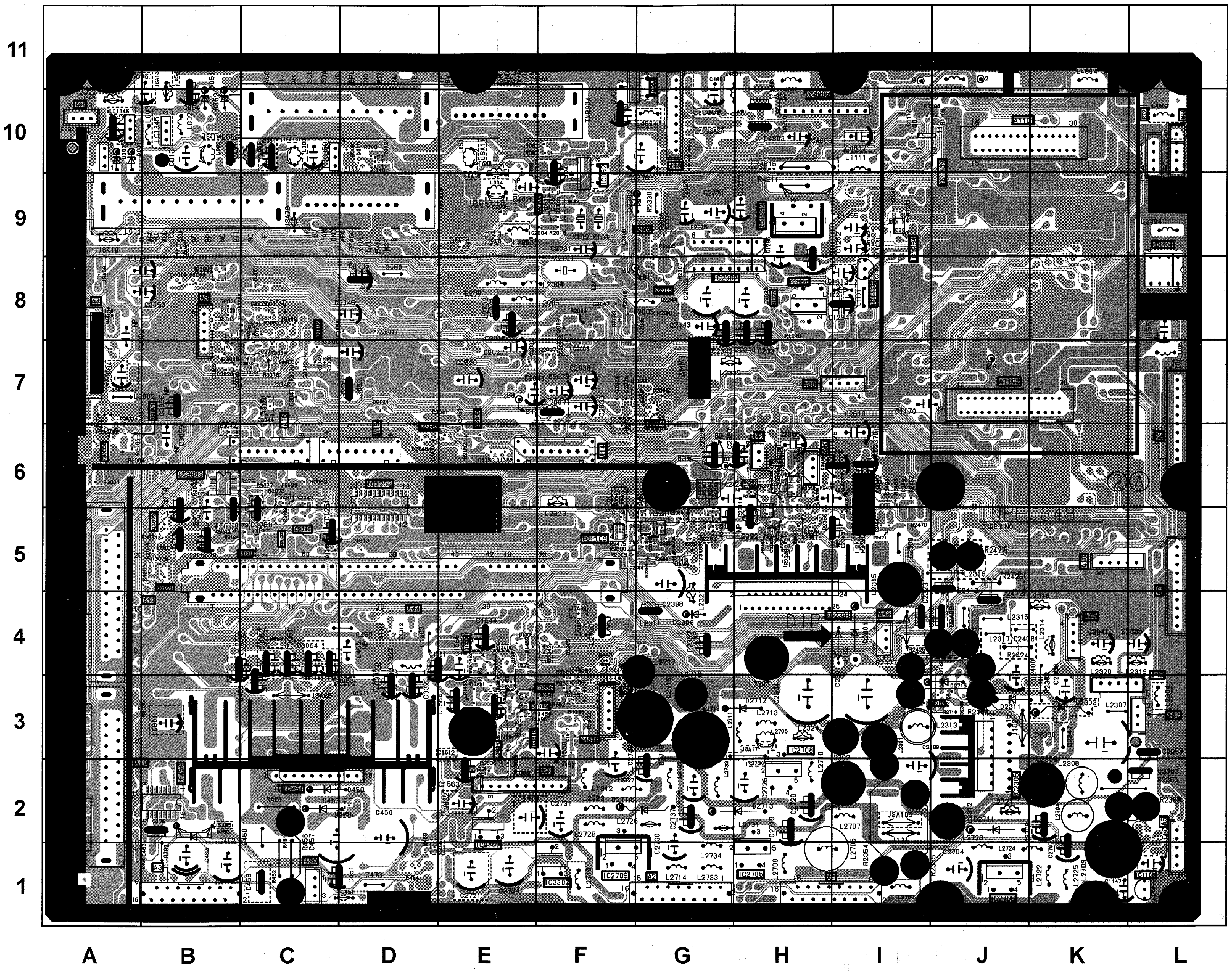
A – BOARD TNPH0348

DIODES		I.C.'S		TRANS	
D001	A10	IC051	G10	Q1114	A6
D002	A10	IC052	F9	Q1122	H8
D051	B11	IC451	C2	Q1302	F3
D052	B8	IC459	B2	Q1336	F3
D053	E10	IC1104	L9	Q1337	D4
D450	D2	IC1105	I8	Q1341	D4
D453	C5	IC1107	J10	Q1342	E3
D454	D1	IC1108	L1	Q2004	G9
D1152	D6	IC1109	F5	Q2008	E9
D1153	D6	IC1251	H8	Q2040	C5
D1301	D4	IC1252	H9	Q2042	D6
D1306	D4	IC1253	D6	Q2043	E7
D1307	D4	IC1254	I9	Q2201	G6
D1309	F4	IC2004	E9	Q2205	G8
D1311	D3	IC2301	I4	Q2310	J3
D1312	D4	IC2302	G8	Q3001	B7
D1313	D5	IC2305	J2	Q3006	C8
D2035	D3	IC2705	H1	Q3071	B5
D2041	D7	IC2706	J1	Q3072	B5
D2048	D6	IC2707	E1	Q3132	C5
D2302	F9	IC2708	H3	Q3807	E3
D2303	K3	IC2709	F1	Q3808	E3
D2306	G2	IC3003	B6		
D2311	D3	IC3302	F1		
D2711	J2	IC4802	H10		
D2712	H3				
D2713	H2				
D3001	A7				
D3003	B8				
D3004	B8				
D3005	B7				
D3077	C6				



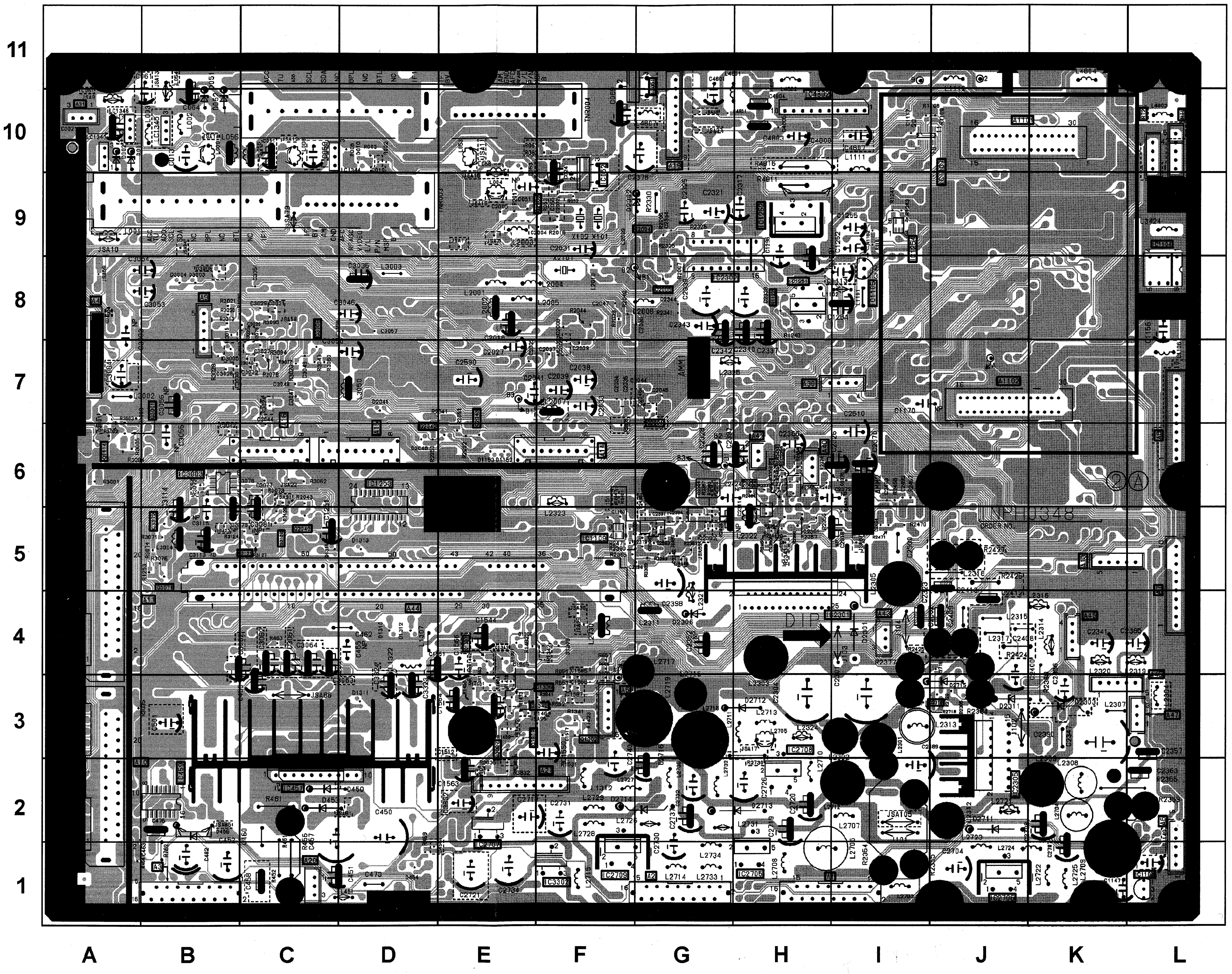
A – BOARD TNPH0348

DIODES		I.C.'S		TRANS	
D001	A10	IC051	G10	Q1114	A6
D002	A10	IC052	F9	Q1122	H8
D051	B11	IC451	C2	Q1302	F3
D052	B8	IC459	B2	Q1336	F3
D053	E10	IC1104	L9	Q1337	D4
D450	D2	IC1105	I8	Q1341	D4
D453	C5	IC1107	J10	Q1342	E3
D454	D1	IC1108	L1	Q2004	G9
D1152	D6	IC1109	F5	Q2008	E9
D1153	D6	IC1251	H8	Q2040	C5
D1301	D4	IC1252	H9	Q2042	D6
D1306	D4	IC1253	D6	Q2043	E7
D1307	D4	IC1254	I9	Q2201	G6
D1309	F4	IC2004	E9	Q2205	G8
D1311	D3	IC2301	I4	Q2310	J3
D1312	D4	IC2302	G8	Q3001	B7
D1313	D5	IC2305	J2	Q3006	C8
D2035	D3	IC2705	H1	Q3071	B5
D2041	D7	IC2706	J1	Q3072	B5
D2048	D6	IC2707	E1	Q3132	C5
D2302	F9	IC2708	H3	Q3807	E3
D2303	K3	IC2709	F1	Q3808	E3
D2306	G2	IC3003	B6		
D2311	D3	IC3302	F1		
D2711	J2	IC4802	H10		
D2712	H3				
D2713	H2				
D3001	A7				
D3003	B8				
D3004	B8				
D3005	B7				
D3077	C6				



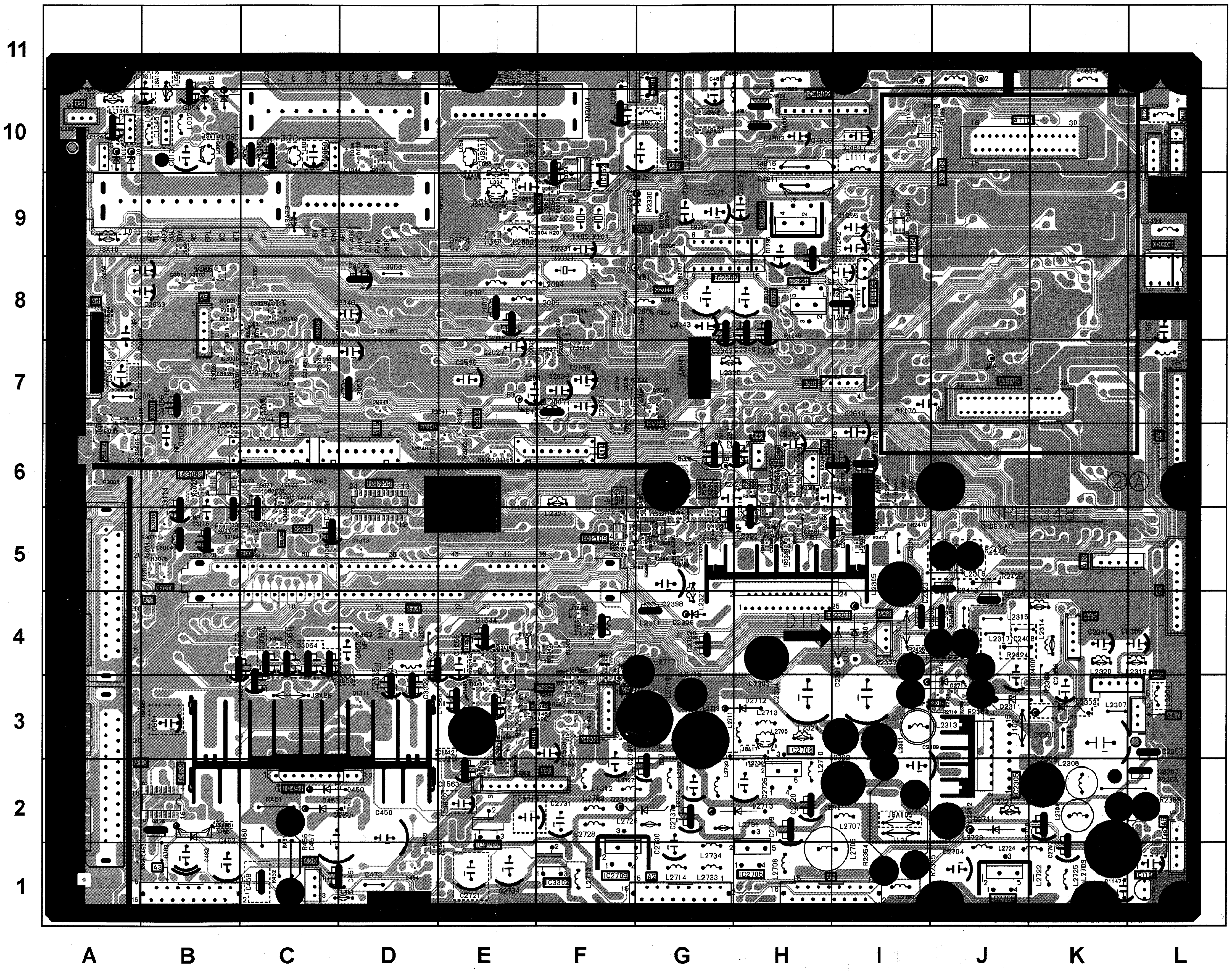
A – BOARD TNPH0348

DIODES		I.C.'S		TRANS	
D001	A10	IC051	G10	Q1114	A6
D002	A10	IC052	F9	Q1122	H8
D051	B11	IC451	C2	Q1302	F3
D052	B8	IC459	B2	Q1336	F3
D053	E10	IC1104	L9	Q1337	D4
D450	D2	IC1105	I8	Q1341	D4
D453	C5	IC1107	J10	Q1342	E3
D454	D1	IC1108	L1	Q2004	G9
D1152	D6	IC1109	F5	Q2008	E9
D1153	D6	IC1251	H8	Q2040	C5
D1301	D4	IC1252	H9	Q2042	D6
D1306	D4	IC1253	D6	Q2043	E7
D1307	D4	IC1254	I9	Q2201	G6
D1309	F4	IC2004	E9	Q2205	G8
D1311	D3	IC2301	I4	Q2310	J3
D1312	D4	IC2302	G8	Q3001	B7
D1313	D5	IC2305	J2	Q3006	C8
D2035	D3	IC2705	H1	Q3071	B5
D2041	D7	IC2706	J1	Q3072	B5
D2048	D6	IC2707	E1	Q3132	C5
D2302	F9	IC2708	H3	Q3807	E3
D2303	K3	IC2709	F1	Q3808	E3
D2306	G2	IC3003	B6		
D2311	D3	IC3302	F1		
D2711	J2	IC4802	H10		
D2712	H3				
D2713	H2				
D3001	A7				
D3003	B8				
D3004	B8				
D3005	B7				
D3077	C6				



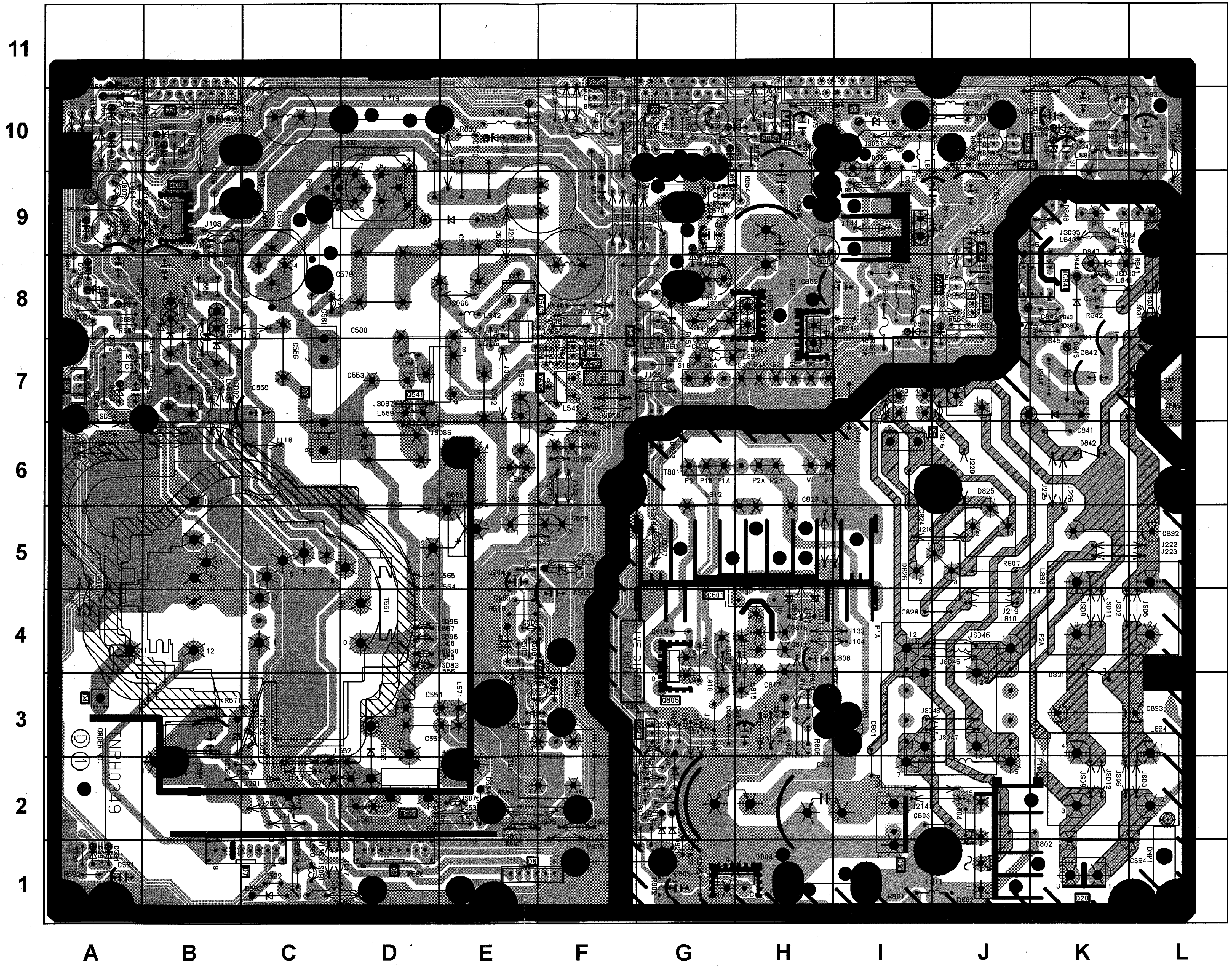
A – BOARD TNPH0348

DIODES		I.C.'S		TRANS	
D001	A10	IC051	G10	Q1114	A6
D002	A10	IC052	F9	Q1122	H8
D051	B11	IC451	C2	Q1302	F3
D052	B8	IC459	B2	Q1336	F3
D053	E10	IC1104	L9	Q1337	D4
D450	D2	IC1105	I8	Q1341	D4
D453	C5	IC1107	J10	Q1342	E3
D454	D1	IC1108	L1	Q2004	G9
D1152	D6	IC1109	F5	Q2008	E9
D1153	D6	IC1251	H8	Q2040	C5
D1301	D4	IC1252	H9	Q2042	D6
D1306	D4	IC1253	D6	Q2043	E7
D1307	D4	IC1254	I9	Q2201	G6
D1309	F4	IC2004	E9	Q2205	G8
D1311	D3	IC2301	I4	Q2310	J3
D1312	D4	IC2302	G8	Q3001	B7
D1313	D5	IC2305	J2	Q3006	C8
D2035	D3	IC2705	H1	Q3071	B5
D2041	D7	IC2706	J1	Q3072	B5
D2048	D6	IC2707	E1	Q3132	C5
D2302	F9	IC2708	H3	Q3807	E3
D2303	K3	IC2709	F1	Q3808	E3
D2306	G2	IC3003	B6		
D2311	D3	IC3302	F1		
D2711	J2	IC4802	H10		
D2712	H3				
D2713	H2				
D3001	A7				
D3003	B8				
D3004	B8				
D3005	B7				
D3077	C6				



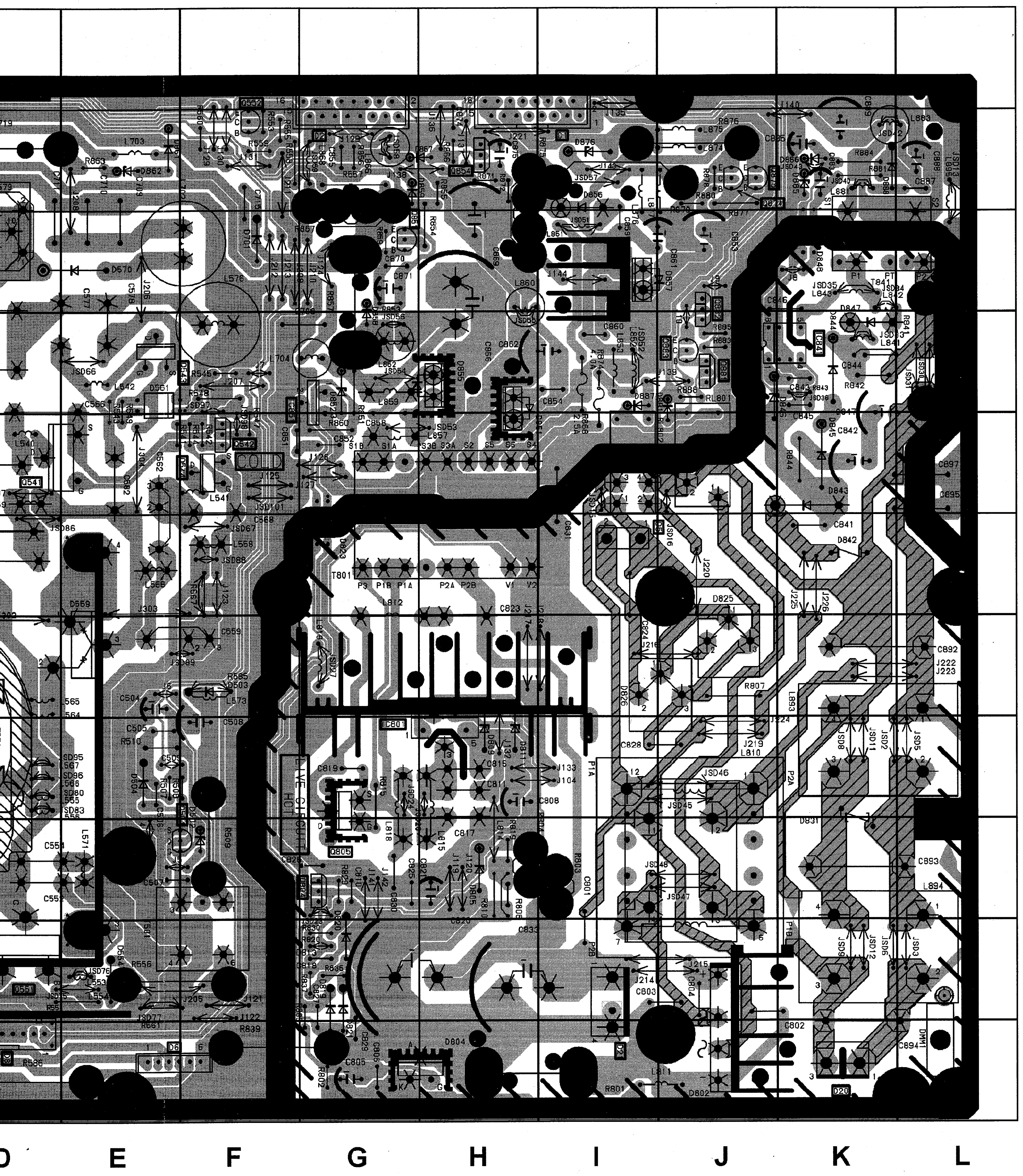
DIODES		D851	H8
D502	F3	D852	G8
D503	F5	D853	B8
D504	E4	D854	B8
D551	B9	D855	H8
D552	B8	D856	I10
D553	A8	D857	J9
D554	E2	D858	G8
D555	D3	D859	H10
D557	A10	D861	E10
D558	B2	D862	E10
D559	E6	D865	B10
D560	A7	D867	H10
D561	E8	D868	B10
D562	A10	D869	B10
D570	A8	D876	I10
D580	A8	D881	J8
D582	C8	D885	K10
D584	A11	D886	K10
D591	A1	D887	I8
D592	A1	D888	K10
D593	B1		
D594	A10	**TRANS**	
D595	A9	Q501	F4
D701	F9	Q541	D7
D802	J1	Q542	F7
D804	H1	Q543	F8
D805	H3	Q544	F7
D809	H4	Q551	D2
D811	H4	Q552	F11
D813	G2	Q703	B9
D819	G2	Q804	G3
D820	G2	Q805	G3
D821	G1	Q851	G9
D823	G6	Q854	H10
D825	J6	Q874	J10
D826	I5	Q875	J10
D831	K3	Q881	J8
D842	K6	Q882	J8
D843	K7	Q883	J8
D844	K8		
D845	K7	**I.C.'S**	
D846	K8	IC801	G4
D847	K8	IC841	K8
D848	K9	IC851	F8

D – BOARD TNPH0349


11
10
9
8
7
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
J
K
L
TNPH0349
HOT
T801
T551
L552
C580
C553
C556
C554
C551
C504
C505
C506
C508
C509
C507
C803
C802
C817
C828
C841
C842
C844
C845
C892
C893
C894
C895
C897
D825
D826
D842
D843
D931
R571
R719
R807
L704
L540
L541
L565
L564
L571
L573
L810
L893
L894
J118
J220
J225
J226
J222
J223

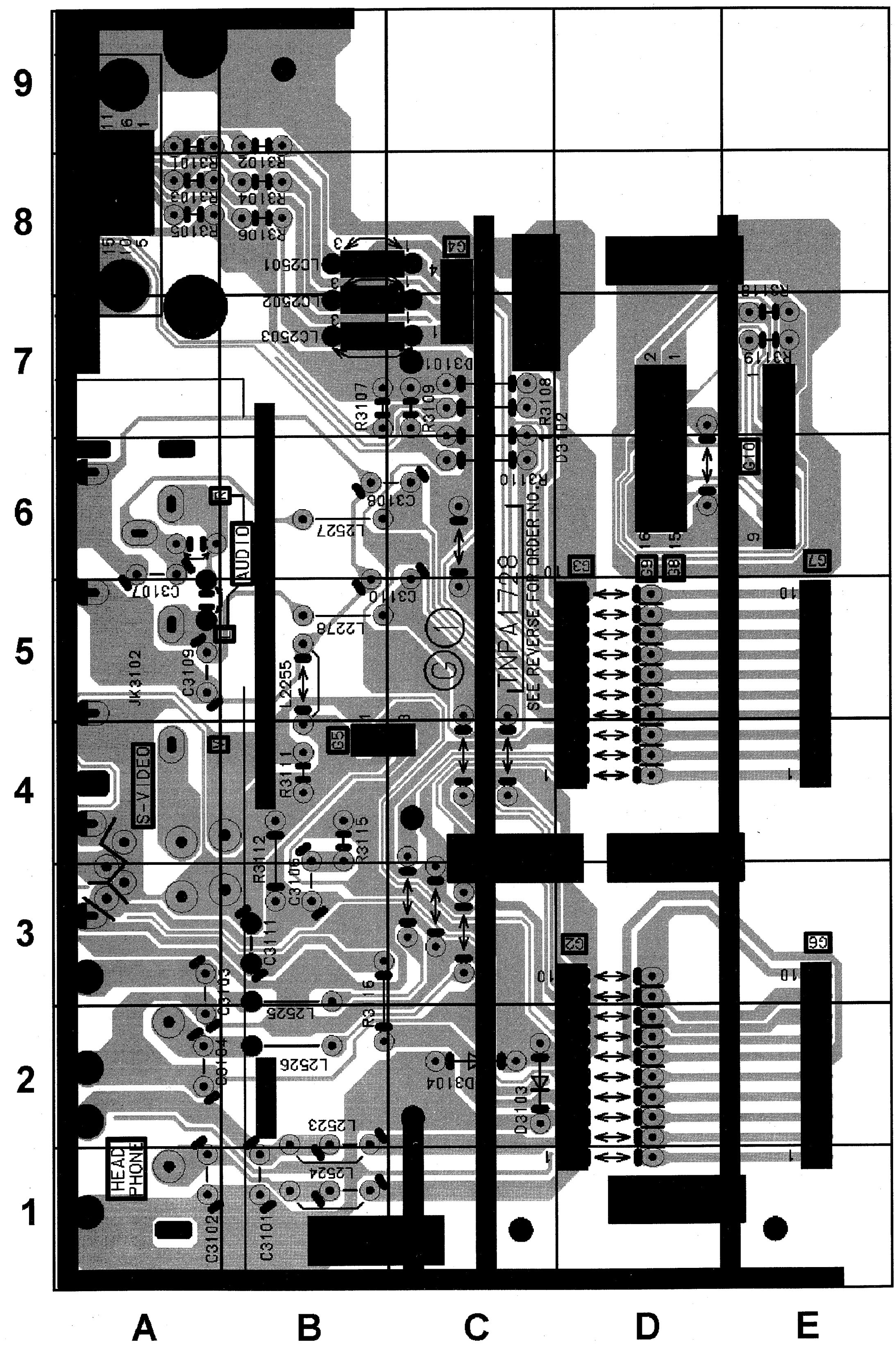
DIODE
D3101
D3102
D3103
D3104

– BOARD TNPH0349



DIODES	
D3101	C7
D3102	D6
D3103	C2
D3104	C2

G – BOARD TNPA1728

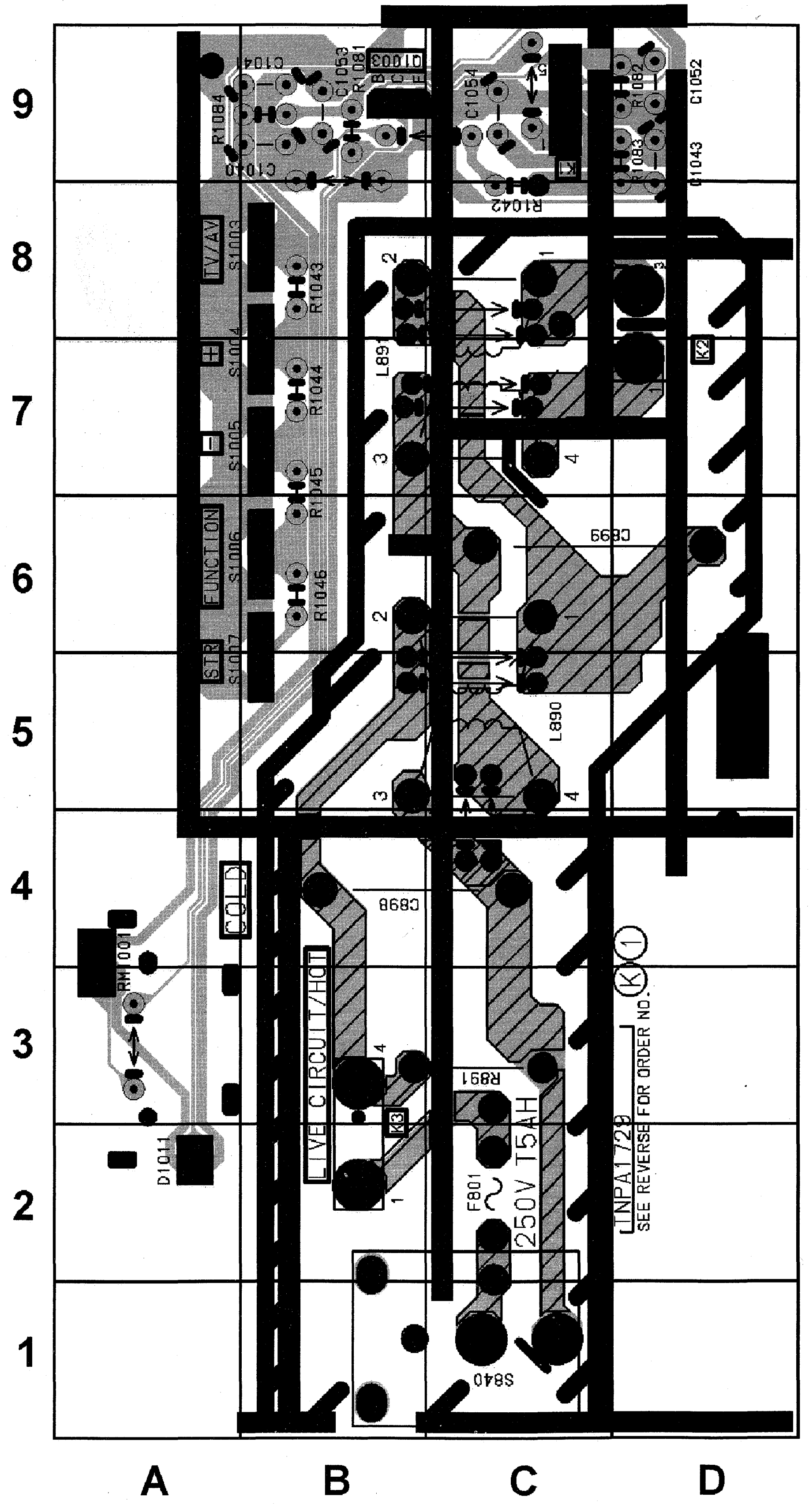

9
8
7
6
5
4
3
2
1
A
B
C
D
E
HEAD PHONE
S-VIDEO
AUDIO
JK3102
TNPA1728
SEE REVERSE FOR ORDER NO.

K – BOARD TNPA1729

DIODES	
D1011	A2

TRANS	
Q1003	B9

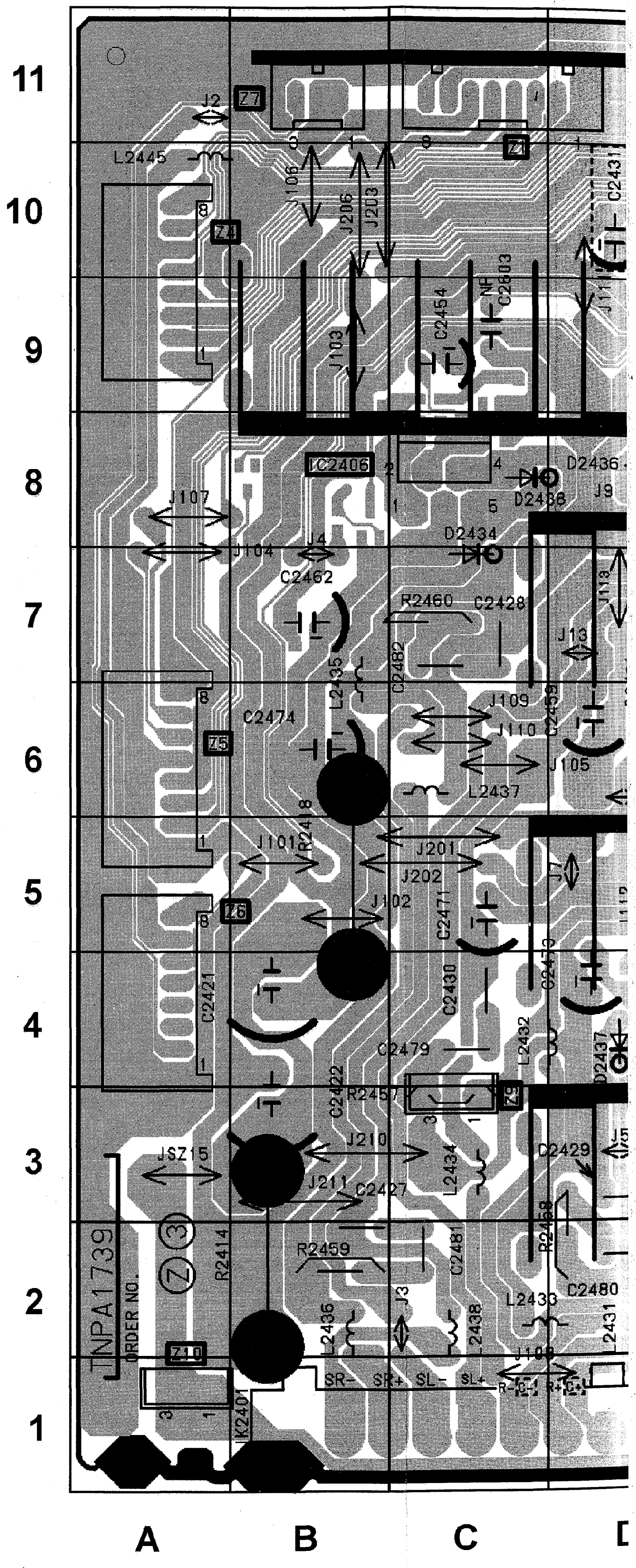
I.C.'S	
RM1001	A3



9
8
7
6
5
4
3
2
1
A
B
C
D
C1041
R1084
C1040
C1053
R1081
Q1003
B
C
E
C1054
R1082
C1052
R1083
C1043
R1042
TV/AV
S1003
R1043
S1004
R1044
S1005
R1045
FUNCTION
S1006
R1046
STB
S1007
L891
C899
L890
K2
COLD
RM1001
D1011
C898
LIVE CIRCUIT/HOT
K3
R891
F801
250V T5AH
TNPA1729
SEE REVERSE FOR ORDER NO.
K1
S840

Z – BOARD T

DIODES		I.C.'S	
D2401	H10	IC2401	I4
D2402	H2	IC2402	E9
D2403	H4	IC2403	E6
D2404	H3	IC2404	E8
D2405	H6	IC2405	E4
D2406	H5	IC2406	B8
D2407	H5		
D2410	I9	**TRANS**	
D2411	G9	Q2402	G10
D2431	D6	Q2403	F10
D2432	D9		
D2433	D4		
D2434	C7		
D2435	D6		
D2436	D8		
D2437	D4		
D2438	C8		



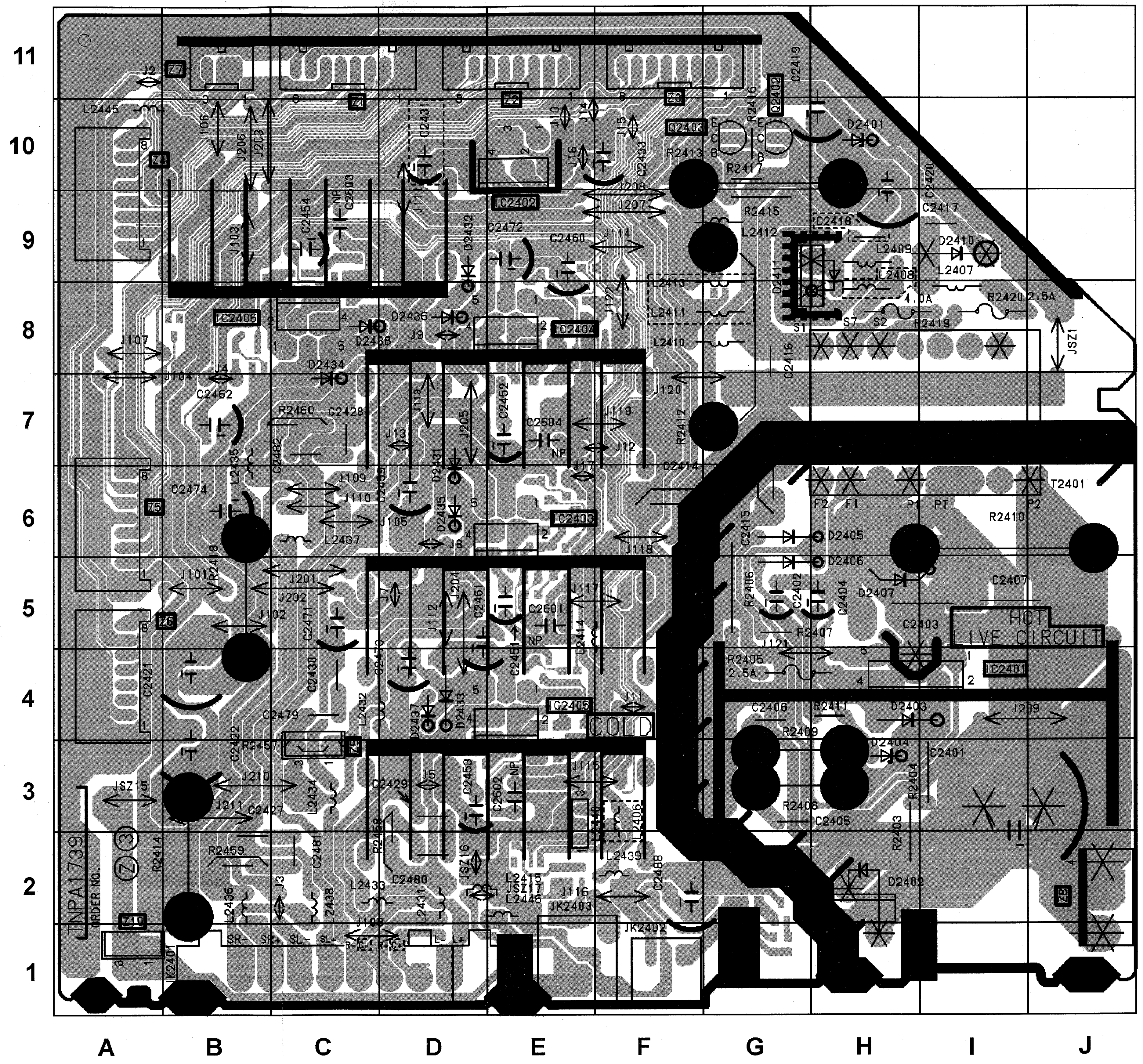
11
10
9
8
7
6
5
4
3
2
1
A
B
C
J2
Z7
Z8
L2445
J106
J206
J203
Z4
J103
C2454
C2403
IC2406
D2436
D2438
J9
J107
J4
J104
D2434
C2462
R2460
C2428
J13
Z5
C2474
L2435
C2482
J109
J110
C2439
J105
L2437
J101
R2418
J201
J202
J102
Z6
C2471
C2421
C2430
C2473
L2432
C2479
R2457
C2422
Z9
JSZ15
J210
J211
C2427
L2434
C2429
TNPA1739
ORDER NO.
Z3
R2414
R2459
C2481
R2458
L2436
J3
L2438
L2433
C2480
L2431
J108
Z10
K2401
SR-
SR+
SL-
SL+

DIODES	
D2401	H10
D2402	H2
D2403	H4
D2404	H3
D2405	H6
D2406	H5
D2407	H5
D2410	I9
D2411	G9
D2431	D6
D2432	D9
D2433	D4
D2434	C7
D2435	D6
D2436	D8
D2437	D4
D2438	C8

I.C.'S	
IC2401	I4
IC2402	E9
IC2403	E6
IC2404	E8
IC2405	E4
IC2406	B8

TRANS	
Q2402	G10
Q2403	F10

Z – BOARD TNPA1739


11
10
9
8
7
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I
J
HOT
LIVE CIRCUIT
COLD
T2401
TNPA1739
ORDER NO.
Z3
JK2401
JK2402
JK2403
IC2401
IC2402
IC2403
IC2404
IC2405
IC2406
Q2402
Q2403
JSZ1
JSZ15
SR-
SR+
SL-
SL+
L-
L+